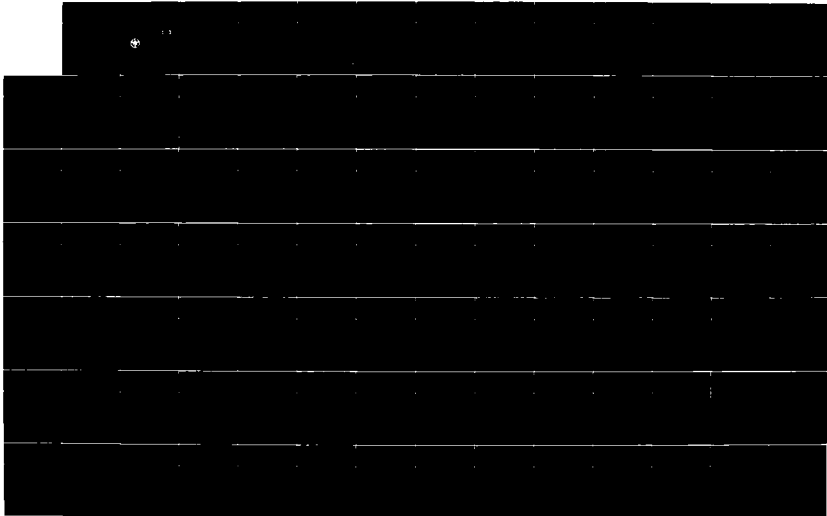
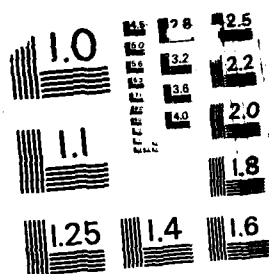


AD-A190 731 RAF ALCONBURY UNITED KINGDOM REVISED UNIFORM SUMMARY OF 1/3
SURFACE WEATHER O. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. MAR 88
UNCLASSIFIED USAFETAC/DS-88/013 F/G 4/2 NL





MICROCOPY RESOLUTION TEST CHART
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OPERATING LOCATION - A
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Air Weather Service (MAC)

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REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

RAF ALCONBURY UK

MSC# 035623

N 52 22 W 000 13

ELEV 160 FT

EGWZ

PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST

PERIOD OF RECORD:

HOURLY OBSERVATIONS: OCT 77 - SEP 87

SUMMARY OF DAY DATA: SEP 55 - JAN 56,
FEB 57 - SEP 87

MAR 01 1988

"Approved for public release;
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ASHEVILLE, N.C. 28801 - 2723

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REPORT DOCUMENTATION PAGE

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3. Distribution/Availability of Report: Approved for public release; Distribution unlimited.
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- 6a. Name of Performing Organization: USAFETAC/OL-A
- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
11. Title: (RUSSWO) RAF Alconbury UK.
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- 13a. Type of Report: Data Summary
- 13b. Time Covered: Sep 55-Jan 56, Feb 57-Sep 57.
14. Date of Report: Mar 1988
15. Page Count: 312
17. COSATI Codes: Field--04, Group--02
18. Subject Terms: *climatology; *weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); RAF Alconbury United Kingdom; United Kingdom; UK035623.
19. Abstract: A six-part statistical data summary of surface weather observations for: RAF Alconbury UK. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO), for complete description of contents and instructions for use.
20. Distribution/Availability of Abstract: Same as report.
21. Abstract Security Classification: UNCLASSIFIED.
- 22a. Name of Responsible Individual: Marianne L. Cavanaugh
- 22b. Telephone: (618)256-2625
- 22c. Office Symbol: USAFETAC/LDD

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STATION NAME: RAF ALCONBURY UNITED KINGDOM

STATION NUMBER: 035623

CALL ID: EGNZ

PERIOD OF RECORD:

HOURS SUMMARIZED: 0000-2300 LST

HOURLY OBSERVATIONS: OCT 77 - SEP 87

SUMMARY OF DAY DATA: SEP 55 - JAN 56, FEB 57 - SEP 87

TIME CONVERSION LST TO GMT: +0

DATE PRODUCED: 11 FEB 1988

OL-A/USAFETAC/MAC/AWS
ASHEVILLE NC 28801

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECEEDING EACH PART OF THE RUSSMO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSMO).

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PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWSMC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX 10 THROUGH 91. IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.



By _____	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NO.
035622	ALCONBURY RAF STN ENGLAND	N 52 22	W 000 13	160	EGWZ	03562

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT BARO.	
1	Alconbury England	RAF	Sep 55	Jan 56	N 52 22	W 000 14	169	179	24
2	Same	Same	Feb 57	Apr 57	N 52 22	W 000 15	159	179	10
3	Same	Same	May 57	Oct 60	Same	Same	Same	Same	24
4	Same	Same	Nov 60	Mar 64	Same	Same	Same	Same	24
5	Same	Same	Apr 64	Mar 66	Same	Same	161	Same	24
6	Same	Same	Apr 66	Dec 66	Same	W 00013	Same	Same	24
7	Same	Same	Jan 67	Jul 72	Same	Same	Same	163	24
8	Same	Same	Oct 72	23 Dec 77	Same	Same	160	Same	24
9	Same	Same	24 Dec 77	Jan 82	Same	Same	160	Same	22
									Mon-Fri 10-Sat & UK Hal 6-Sun & US Hal
10	Same	Same	Jan 82	Aug 82	Same	Same	160	164	Same
11	Same	Same	Aug 82	Jun 83	Same	Same	Same	Same	24
12	Same	Same	Jun 83	Mar 84	Same	Same	Same	Same	24
13	Same	Same	28 Jun 84	Sep 87	Same	Same	Same	Same	24
NOTE: No Obs taken Apr-27 Jun 84									

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Sep 55	Located on catwalk around control tower	AN/GMQ-1	None	33 Ft	* 22 Mon-Fri, 10 Sat & UK Holidays 6 Sun and US Holidays
2	15 Apr 57	Located 670 ft SE of obs tower	Same	None	Ground Level	
3	5 Apr 60	Same	AN/GMQ-1	RO-2	Same	
4	2 Apr 62	Same	Same	Same	13 ft	
5	3 Apr 64	Located 700 ft SE of ROS	AN/GMQ-1	RO-2	13 ft	
6	1 Apr 65	Located 670 ft SE of ROS	Same	Same	Same	
7	4 Jan 68	Dual Instrumented				
		1. Adjacent to approach end of rwy 12	AN/GMQ-1	RO-2	13 ft	
		2. Adjacent to approach end of rwy 30	AN/GMQ-1		13 ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
8	4 Jan 71	Dual Instrumented 1. Located 720 ft from centerline and 1560 ft from end of runway 30 2. Located 520 ft from centerline and 1140 ft from end of runway 12	AN/GMQ-20	RO-362	13 ft	
			AN/GMQ-20		13 ft	
9	Jun 77	1. Same 2. Same	Same	Same	13 ft	
			Same		13 ft	
10	25 Aug 82	1. Same	Same	Same	13 ft	
		2. Same	Same		13 ft	
11	1 Jun 83	1. Same	Same	Same	13 ft	
		2. Same	Same		13 ft	

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WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET, SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS, AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIR	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02		15.3	.7	5.5		20.0	23.2		.7		23.9	419
03-05		14.2	.5	4.6		18.5	21.6	4.7	.3		26.6	745
06-08		14.1	.4	9.0		21.8	23.8	4.0	.5		28.3	820
09-11	.2	11.4	.8	8.4		19.1	24.6	7.5	.3		32.4	859
12-14		11.6	.1	8.2		18.7	20.2	8.2	.3		28.7	912
15-17		12.2	.2	6.0		17.6	21.5	9.9	.3		31.8	915
18-20		12.4		4.8		16.0	23.3	9.0	.4		32.6	769
21-23		11.0		3.7		13.9	25.2	5.5	.4		31.1	747
TOTALS	.0	12.8	.3	6.3		18.2	22.9	6.1	.4		29.4	6186

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIR	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02		12.0		4.8		16.3	37.1	3.5			40.6	399
03-05		13.0	.4	5.3		17.4	40.2	5.0			45.2	682
06-08		11.1	.8	4.2		15.8	43.0	5.4			48.4	760
09-11		12.5	.3	8.4		19.7	34.9	13.0			47.9	793
12-14		12.2		5.6		17.2	21.0	17.9	.1		39.0	838
15-17		12.9		6.3		18.5	18.4	17.1			35.5	837
18-20		11.2		5.1		15.5	24.3	17.2			41.4	705
21-23		9.5		6.3		14.8	27.9	13.2			41.1	684
TOTALS		11.8	.2	5.8		16.9	30.9	11.5	.0		42.4	5698

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		11.4		2.5		13.2	33.3	1.6			34.8	448
03-05		15.3		2.0		16.5	28.9	2.8			31.7	783
06-08		16.3		2.9		19.1	34.6	6.0			40.6	849
09-11		16.4		2.7		18.1	24.4	9.0			33.4	889
12-14	.1	18.7		2.5	.2	19.9	10.5	12.5			23.0	930
15-17	.3	18.3		2.1	.1	20.0	8.2	12.3			20.5	922
18-20	.1	18.1		2.1	.1	19.8	12.8	9.9			22.6	791
21-23		15.0		2.5		16.6	17.0	6.3			23.3	734
TOTALS	.1	16.2		2.4	.1	17.9	21.2	7.6			28.7	6346

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		12.8				12.8	19.5	6.9			26.4	390
03-05		13.4		.5		13.5	28.9	8.1			37.0	657
06-08		15.1		.4		15.5	33.4	10.0			43.4	728
09-11		15.9		.8	.1	16.2	12.1	11.4			23.5	779
12-14	.1	13.9		1.3	.4	14.7	5.9	10.0			15.9	797
15-17	.7	14.8		1.7	.4	15.6	4.1	9.8			13.9	763
18-20	.2	15.3		1.3		16.1	6.4	13.4			19.8	640
21-23		12.0		1.2		12.6	10.3	9.7			20.0	516
TOTALS	.1	14.2		.9	.1	14.6	15.1	9.9			25.0	5270

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		11.9				11.9	25.2	3.5			28.6	405
03-05	.2	10.0				10.0	39.3	5.3			44.6	661
06-08		12.4		.1		12.5	29.6	10.3			39.9	727
09-11	.3	13.0		.1		13.1	11.7	11.6			23.3	778
12-14	1.9	14.9				14.9	5.1	10.0			15.1	806
15-17	1.3	13.2		.1	.3	13.4	4.3	6.8			11.1	767
18-20	.3	11.1				11.1	5.8	10.0			15.8	639
21-23		11.3		.2		11.3	12.3	6.7			19.0	521
TOTALS	.5	12.2		.1	.0	12.3	16.7	8.0			24.7	5304

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.2	12.2				12.2	23.7	3.7			27.4	482
03-05	.6	11.8				11.8	40.5	3.7			44.2	704
06-08	.5	11.4				11.4	26.8	7.6			34.4	747
09-11	.4	8.7				8.7	7.8	9.0			16.8	786
12-14	1.4	10.6			.1	10.9	2.7	6.2			9.0	804
15-17	2.2	14.5				14.5	2.0	4.2			6.3	781
18-20	1.3	13.2				13.2	4.3	8.1			12.5	690
21-23	.2	12.3				12.3	10.4	7.5			17.9	586
TOTALS	.9	11.9			.0	11.9	14.8	6.3			21.1	5580

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	PAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.2	8.2				8.2	16.5	6.3			22.8	575
03-05		10.4				10.4	35.5	4.9			40.4	797
06-08	.1	10.4				10.4	25.5	9.5			35.0	852
09-11		8.7				8.7	8.0	8.7			16.7	893
12-14	.8	8.9			.1	9.1	2.3	9.4			11.7	917
15-17	1.0	7.8				7.8	1.9	9.0			10.9	892
18-20	.5	7.1			.1	7.2	4.5	10.2			14.7	776
21-23	.6	9.3				9.3	10.1	8.3			18.4	675
TOTALS	.4	8.9			.0	8.9	13.0	8.3			21.3	6377

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	PAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.2	8.9				8.9	21.6	3.2			24.8	597
03-05	.2	8.4				8.4	32.2	3.0			35.2	810
06-08		9.0				9.0	33.4	6.6			40.0	867
09-11	.1	9.6				9.6	8.8	8.6			17.4	910
12-14	.4	10.6				10.6	1.9	8.9			10.9	930
15-17	1.4	11.0				11.0	2.1	8.6			10.7	905
18-20	1.3	11.1				11.1	4.4	13.5			17.9	793
21-23	.9	11.0				11.0	10.7	10.2			20.9	689
TOTALS	.6	10.0				10.0	14.4	7.8			22.2	6501

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		7.3				7.3	22.8	3.6			26.4	549
03-05		8.6				8.6	28.2	2.4			30.6	780
06-08	.1	9.2				9.2	32.8	5.1			37.9	818
09-11		8.2				8.2	11.3	12.3			23.6	857
12-14	.6	8.7				8.7	2.6	11.8			14.4	874
15-17	.9	9.5				9.5	1.1	14.5			15.6	854
18-20	.1	5.7				5.7	4.9	21.1			26.0	734
21-23	.5	6.8				6.8	12.6	14.0			26.5	637
TOTALS	.3	8.0				8.0	14.5	10.6			25.1	6103

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		8.6				8.6	24.5	4.9			29.4	555
03-05		9.3				9.3	31.0	3.8			34.7	798
06-08		9.0				9.0	39.9	6.2			46.1	812
09-11	.1	9.1				9.1	23.7	10.7			34.4	835
12-14		9.0				9.0	8.9	12.1			21.0	858
15-17	.1	10.8				10.8	6.7	12.8			19.4	839
18-20		10.1				10.1	6.5	13.5			20.1	733
21-23		7.3				7.3	12.7	10.1			22.7	655
TOTALS	.0	9.2				9.2	19.2	9.3			28.5	6085

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV

HOURS (LST)	TSTMS	RAIN 4/0R DRIZZLE	FRZING RAIN 4/0R DRIZZLE	SNOW 4/0R SLEET	PAIL	% OBS WITH PRECIP	FOG	SMOKE 4/0R HAZE	BLOWING SNOW	DUST 4/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		17.6		.6		18.2	23.4	1.9			25.3	478
03-05		14.9		.4		15.2	21.8	1.0			22.7	726
06-08		13.6		1.0		14.4	25.3	3.2			28.6	770
09-11		11.5		.8		11.9	21.6	7.8			29.5	790
12-14		14.5		.2		14.6	14.2	8.3			22.6	829
15-17		14.9		.1		14.9	14.8	6.7			23.5	825
18-20		14.5		.4		14.9	18.8	7.2			26.0	712
21-23		15.8		.3	.1	16.2	20.9	5.0			25.8	685
TOTALS		14.7		.5	.0	15.0	20.1	5.4			25.5	5815

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC

HOURS (LST)	TSTMS	RAIN 4/0R DRIZZLE	FRZING RAIN 4/0R DRIZZLE	SNOW 4/0R SLEET	PAIL	% OBS WITH PRECIP	FOG	SMOKE 4/0R HAZE	BLOWING SNOW	DUST 4/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		11.6		1.5		13.1	22.2	5.8			28.0	482
03-05		13.0		2.0		15.0	24.7	4.7			29.5	740
06-08		11.2		1.8		12.8	25.7	3.9			29.6	818
09-11		14.2		1.4		15.5	23.7	6.7			30.4	852
12-14		14.0		1.9		15.7	17.5	9.0			26.5	902
15-17		11.3		1.6		12.6	18.8	10.3			29.1	903
18-20		12.4		1.2		13.6	20.9	7.1			28.0	757
21-23		12.4		1.2		13.3	23.8	6.3			30.1	735
TOTALS		12.5		1.6		14.0	22.2	6.7			28.9	6189

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-87
MONTH: ALL

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
JAN ALL	.0	12.8	.3	6.3		18.2	22.9	6.1	.4		29.4	6186
FEB		11.8	.2	5.8		16.9	30.9	11.5	.0		42.4	5698
MAR	.1	16.2		2.4	.1	17.9	21.2	7.6			28.7	6346
APR	.1	14.2		.9	.1	14.6	15.1	9.9			25.0	5270
MAY	.5	12.2		.1	.0	12.3	16.7	8.0			24.7	5304
JUN	.9	11.9			.0	11.9	14.8	6.3			21.1	5580
JUL	.4	8.9			.0	8.9	13.0	8.3			21.3	6377
AUG	.6	10.0				10.0	14.4	7.8			22.2	6501
SEP	.3	8.0				8.0	14.5	10.6			25.1	6103
OCT	.0	9.2				9.2	19.2	9.3			28.5	6085
NOV		14.7		.5	.0	15.0	20.1	5.4			25.5	5815
DEC		12.5		1.6		14.0	22.2	6.7			28.9	6189
TOTALS	.2	11.9	.0	1.5	.0	13.1	18.8	8.1	.0		26.9	71454

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87
MONTH: ALL

MONTH	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
JAN	.5	60.1	1.6	20.9	.8	68.6	58.1	63.3	1.3		79.8	952
FEB	.2	53.4	.7	20.4	.2	62.3	59.9	68.8	.5		82.9	862
MAR	1.7	62.1		14.6	1.4	66.2	54.8	66.6	.1		77.7	946
APR	2.6	63.3		6.1	1.9	63.8	43.0	65.2			72.0	889
MAY	8.1	61.4		1.2	1.4	61.4	46.1	65.0			74.1	922
JUN	9.5	53.8		.1	.7	53.8	48.2	62.4			72.5	898
JUL	9.5	54.9			.4	54.9	45.8	63.2			71.6	930
AUG	8.6	57.4			.3	57.4	56.2	63.8			75.1	930
SEP	4.8	54.9			.3	54.6	56.2	68.4			76.8	915
OCT	1.0	56.0		.1		56.0	62.1	69.1			77.9	932
NOV	1.2	65.4		4.5		66.2	56.4	62.4		.1	74.6	910
DEC	.1	62.7	.3	10.5	.3	66.0	59.0	63.9	.2	.1	79.5	953
TOTALS	3.9	58.8	.2	6.5	.6	60.9	53.8	65.2	.2	.0	76.2	11039

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PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION: ".00" EQUALS NONE FOR THE MONTH (HUNDREDTHS)

EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: "0" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION
FROM SUMMARY OF DAY DATA

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

AMOUNTS IN INCHES																		
MONTH	NONE	TRACE	.01	.02 TO .05	.06 TO .10	.11 TO .25	.26 TO .50	.51 TO 1.00	1.01 TO 2.50	2.51 TO 5.00	5.01 TO 10.00	10.01 TO 20.00	OVER 20.00	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
				MEAN	GREATEST	LEAS												
JAN	29.4	21.3	5.9	14.2	8.9	13.2	5.5	1.6						49.3	952	1.91	3.27	.64
FEB	36.1	23.4	5.1	13.4	7.6	9.0	4.4	1.2						40.5	846	1.33	3.58	.08
MAR	31.6	23.8	7.0	12.8	8.2	9.8	5.1	1.3	.4					44.6	925	1.88	5.14	.17
APR	33.1	19.7	7.1	12.4	10.4	10.4	5.9	.9	.1					47.2	868	1.69	3.48	.00
MAY	37.1	20.4	4.8	12.1	6.5	11.7	5.4	1.4	.5					42.5	922	1.85	4.21	.47
JUN	44.0	17.4	5.1	10.6	5.0	8.9	5.2	2.6	1.1					38.6	897	2.21	5.26	.02
JUL	42.8	22.2	4.6	9.3	5.5	7.8	5.7	1.4	.8					35.0	929	1.89	5.47	.03
AUG	40.3	19.1	6.8	11.5	5.5	9.0	4.7	1.8	1.2					40.5	930	2.16	4.99	.40
SEP	44.0	20.1	4.0	9.1	5.7	9.6	4.9	2.0	.6					35.9	895	1.87	3.83	.03
OCT	42.9	18.4	4.4	12.8	6.8	8.4	3.9	2.3	.1					38.7	914	1.67	4.48	.16
NOV	31.8	20.7	6.8	13.9	6.4	12.1	6.0	2.2	.1					47.6	900	1.93	4.30	.63
DEC	31.2	23.0	5.8	12.6	7.7	12.9	4.8	1.7	.3					45.8	952	2.00	5.15	.44
ANN	37.0	20.8	5.6	12.1	7.0	10.2	5.1	1.7	.4					42.2	10930	22.39		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
						JUN	JUL						
55									.33	.66	.30	.22	
56	.68												
57		.33		.00	.87	.58	.31	1.02	.54	.44	.56	.65	
58	.70	.53	.43	.34	.38	1.15	.38	.50	.52	.62	.41	.35	1.15
59	.60	.06	.43	.16	.34	.28	1.30	.16	.03	.77	.49	.61	1.30
60	.50	.51	1.37	.12	.70	.98	.77	.62	1.12	.72	.75	.61	1.37
61	.31	.27	.16	.36	.42	.70	.38	.32	.41	.35	.51	.74	.74
62	.38	.17	.27	.54	.38	.03	.49	.47	.53	.44	.15	.74	.74
63	.38	.26	1.64	.32	.48	.50	.43	.82	.85	.62	.39	.15	1.64
64	.31	.32	1.33	.57	.23	.86	.47	.55	.75	.11	.29	.22	1.33
65	.33	.18	.41	.28	.36	.34	.47	.49	1.07	.20	.46	.60	1.07
66	.21	.57	.29	.39	.29	2.24	.34	1.42	1.01	.69	.44	.47	2.24
67	.20	.46	.51	.46	.70	1.03	.69	.37	.24	.59	.29	.37	1.03
68	.39	.35	.19	.41	.57	.52	2.08	1.78	1.41	.68	.36	.32	2.08
69	.71	.83	.48	.21	1.27	.91	.78	.22	.09	.25	.70	.24	1.27
70	.52	.35	.73	.49	.71	1.77	.37	1.75	.44	.30	.78	.28	1.77
71	.92	.18	.50	.68	.78	.64	.20	.67	.27	.93	.40	.41	.93
72	.35	.18	.42	.46	.20	.51	.02			.12	.84	.79	
73	.17	.31	.22	.41	.67	1.15	1.60	.23	.28	.31	.28	.29	1.60
74	.37	.80	.14	.14	.33	.67	.77	1.06	.71	.54	1.05	.20	1.06
75	.47	.21	.57	.37	1.05	.26	.44	.16	.80	.07	.28	.49	1.05
76	.22	.20	.19	.44	.40	.38	1.01	2.07	1.30	.65	.44	.64	2.07
77	.61	.60	.24	.41	.22	.96	.18	1.27	.13	.31	.37	.76	1.27
78	.33	.32	.35	.33	.72	.84	.99	.55	.52	.10	.23	1.23	1.23
79	.41	.54	.98	.42	*1.35	*.21	.32	.65	.32	.85	.19	*1.01	*1.35
80	.63	.37	.59	.35	.47	.34	*.73	1.16	.22	1.29	*.52	*.42	1.29
81	.50	*.53	1.20	*1.32	*.57	.51	*.30	.67	.55	*.93	*.40	*.24	*1.32
82	*.52	.22	.85	.26	1.35	*1.11	.33	.47	.12		*.95	.37	
83	.37	*.25	.61	.76	.65	1.53	.52	.20	.54	.39	.55	.28	1.53
84	.55	.57	.57			*.01	.16	.41	.82	.16	.78	*.22	

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
85	.72	.43	.27	.40	.32	.60	.67	.31	.21	.25	.57	1.07	1.07
86	.32	.40	*.39	.33	1.09	.20	.49	1.19	.84	.56	.60	.44	1.19
87	.63	.27	.34	.59	.37	2.02	.36	.97	.35				
MEAN	.444	.374	.561	.393	.583	.804	.618	.751	.582	.495	.481	.501	1.347
S.D.	.185	.190	.395	.153	.315	.544	.441	.515	.364	.285	.218	.269	.430
TOTAL OBS	952	846	925	868	922	897	929	930	995	914	900	952	10930

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

TOTAL MONTHLY PRECIPITATION IN INCHES													
-M-O-N-T-H-S-													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
55									*.33	1.92	1.07	1.37	
56	*2.43												
57		*.48		*.00	1.81	1.49	1.46	1.65	3.05	1.41	1.28	1.39	
58	2.86	2.41	1.55	.88	1.81	4.47	1.38	1.72	2.48	1.88	1.23	1.92	24.59
59	2.55	.08	1.84	1.00	.47	.87	4.18	.51	.03	1.54	2.36	3.62	19.05
60	2.21	1.41	2.54	.33	1.20	2.76	2.85	2.11	3.83	4.31	3.61	2.45	29.61
61	2.00	1.72	.17	2.17	.92	1.20	1.90	1.11	1.75	2.15	1.18	3.46	19.73
62	1.66	.64	.88	1.96	1.39	.10	1.58	1.90	2.75	.98	1.11	1.86	16.81
63	1.66	.60	3.84	2.16	1.83	1.67	1.37	2.77	2.29	1.32	2.98	.44	22.93
64	.86	.71	3.19	2.00	1.06	3.78	1.35	1.33	1.13	.43	.97	.98	17.79
65	1.75	.60	2.45	1.53	1.40	1.78	1.97	1.87	3.25	.39	2.11	3.51	22.54
66	1.09	2.29	.53	3.11	1.47	3.10	2.28	3.49	1.49	2.85	1.86	2.26	25.82
67	.77	2.06	1.21	1.92	3.04	1.29	1.65	1.44	1.48	3.31	1.25	1.61	21.03
68	1.57	.97	.55	1.18	1.33	2.06	5.47	4.28	3.71	1.40	1.49	1.54	25.55
69	2.47	2.28	1.42	1.01	4.21	1.67	1.79	1.51	.27	.45	2.81	1.82	21.71
70	2.83	1.97	1.90	2.92	1.10	2.89	1.83	3.96	1.45	.74	4.07	1.30	26.96
71	3.27	.41	1.31	1.59	2.09	2.70	.44	2.01	1.37	2.40	1.86	1.05	20.20
72	2.27	1.15	2.00	1.55	1.20	1.59	*.03			*.16	2.66	2.40	
73	.64	.64	.56	1.72	2.89	3.20	4.16	.55	1.89	1.05	.99	1.33	19.62
74	1.99	2.10	.70	.44	1.05	2.35	1.92	4.38	2.68	3.14	4.30	.97	26.02
75	1.99	.61	3.58	2.24	3.08	.79	2.07	.41	2.53	.23	1.17	1.35	20.05
76	.89	.58	.59	.82	1.41	.44	1.28	2.71	3.66	4.48	2.18	2.30	21.34
77	2.59	3.58	1.61	1.14	.98	2.89	.41	4.99	.49	.63	1.36	2.14	22.81
78	1.90	1.31	1.50	1.56	2.05	2.09	2.38	1.88	1.20	.17	.63	5.15	21.82
79	2.46	2.07	3.67	2.79	*3.00	*.89	.79	2.17	.75	2.56	1.35	*3.63	*26.13
80	*1.87	2.43	3.10	.92	.96	2.36	*3.42	2.86	.50	2.47	*1.60	*1.49	*23.98
81	*1.67	*1.31	5.14	*3.40	*2.70	1.37	*1.21	1.31	2.62	*2.58	*1.52	*.91	*25.74
82	*2.30	.98	3.09	.73	2.95	*5.06	.66	2.10	*.22		*1.91	1.74	
83	1.55	*1.42	1.40	3.48	3.55	3.52	1.58	.40	2.36	1.42	1.44	1.17	*23.29
84	3.02	1.46	1.44			*.02	.28	.97	3.23	.86	3.04	*1.01	

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

TOTAL MONTHLY PRECIPITATION IN INCHES													
-M-O-N-T-H-S-													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
85	1.89	.53	1.14	*1.39	1.85	3.36	1.85	1.41	.50	.61	1.27	3.24	*19.04
86	1.71	.97	*1.36	2.76	3.05	.71	1.58	3.82	1.02	1.62	2.40	1.62	*22.62
87	1.03	.79	1.59	1.78	1.63	5.26	2.11	3.17	.90				
MEAN	1.907	1.334	1.879	1.692	1.849	2.206	1.869	2.160	1.874	1.669	1.930	2.100	22.299
S.D.	.720	.833	1.205	.832	.929	1.234	1.151	1.246	1.125	1.176	.984	1.136	3.287
TOTAL OBS	952	846	925	868	922	897	929	930	895	914	900	952	10930

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

MONTH	AMOUNTS IN INCHES														% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
	NONE	TRACE	0.1 TO 0.4	0.5 TO 1.4	1.5 TO 2.4	2.5 TO 3.4	3.5 TO 4.4	4.5 TO 6.4	6.5 TO 10.4	10.5 TO 15.4	15.5 TO 25.4	25.5 TO 50.4	OVER 50.4	MEAN			GREATEST	LEAS	
JAN	78.5	13.4	2.2	3.3	1.5	.9	.2							8.1	952	3.0	11.2	.0	
FEB	78.0	14.3	3.6	2.2	.7	.5	.5	.2						7.7	845	2.3	14.1	.0	
MAR	84.8	12.8	1.2	.4	.6			.1	.1					2.5	925	1.0	7.4	.0	
APR	93.5	5.1	.9	.6										1.5	889	.2	1.5	.0	
MAY	98.9	1.1													922	TRACE	TRACE	.0	
JUN	99.9	.1													898	TRACE	TRACE	.0	
JUL	100.0														929	.0	.0	.0	
AUG	100.0														930	.0	.0	.0	
SEP	100.0														909	.0	.0	.0	
OCT	99.9	.1													914	TRACE	TRACE	.0	
NOV	94.7	4.1	.7	.3	.1		.1							1.2	901	.3	5.6	.0	
DEC	88.5	8.0	1.5	1.0	.5	.2	.1		.2					3.6	954	1.2	12.7	.0	
ANN	93.1	4.9	.8	.6	.3	.1	.1	.0	.0					2.0	10968	6.0			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
55									*.0	.0	.0	TRACE	
56	*3.0												
57		*TRACE		*.0	.0	.0	.0	.0	.0	.0	.0	TRACE	
58	1.0	4.1	6.0	.3	.0	.0	.0	.0	.0	.0	.0	.9	6.0
59	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	2.0
60	2.8	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.8	2.8
61	TRACE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.4	7.4
62	2.7	1.7	.8	.0	.0	.0	.0	.0	.0	.0	1.0	7.4	7.4
63	3.4	.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.2	3.4
64	1.5	TRACE	2.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.5	2.2
65	1.9	.7	2.2	.0	.0	.0	.0	.0	.0	.0	1.5	.0	2.2
66	1.4	2.4	.1	1.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.4
67	.3	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	2.4	2.4
68	3.0	TRACE	TRACE	1.1	.0	.0	.0	.0	.0	.0	.0	.8	3.0
69	1.5	5.3	.3	TRACE	.0	.0	.0	.0	.0	.0	3.7	1.7	5.3
70	1.7	3.5	7.3	.8	.0	.0	.0	.0	.0	.0	.2	1.1	7.3
71	TRACE	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.4	TRACE	1.0
72	TRACE	1.2	.5	.0	.0	.0	*.0	.0	.0	*.0	.0	.0	
73	.1	.2	TRACE	.5	TRACE	.0	.0	.0	.0	.0	.6	TRACE	.6
74	.0	TRACE	.1	.0	.0	.0	.0	.0	.0	TRACE	.0	.5	.5
75	.6	.0	.2	.2	.0	TRACE	.0	.0	.0	.0	.0	TRACE	.6
76	TRACE	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	3.2	3.2
77	3.6	1.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	3.6
78	1.4	2.0	1.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.6	2.0
79	4.0	3.0	1.9	TRACE	*TRACE	*.0	.0	.0	.0	.0	.0	*TRACE	4.0
80	*1.2	TRACE	TRACE	.0	.0	.0	*.0	.0	.0	.0	*TRACE	*TRACE	*1.2
81	*1.0	1.2	TRACE	*TRACE	*.0	.0	*.0	.0	.0	*.0	*.0	*4.3	*4.3
82	*3.3	1.0	TRACE	.0	TRACE	.0	.0	.0	*.0	.0	*TRACE	TRACE	
83	1.8	*3.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	*3.1
84	2.6	TRACE	TRACE			*.0	.0	.0	.0	.0	.0	*.0	

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

24 HOUR AMOUNTS IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
85	3.2	3.9	TRACE	*TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.9
86	1.9	4.0	*TRACE	.2	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	4.0
87	1.7	.3	.5	TRACE	TRACE	.0	.0	.0	.0				
MEAN	1.58	1.32	.85	.16	TRACE	TRACE	.00	.00	.00	TRACE	.26	1.02	3.27
S.D.	1.226	1.568	1.753	.330	.000	.000	.000	.000	.000	.000	.759	2.106	2.253
TOTAL OBS	952	845	925	889	922	898	929	930	909	914	901	954	10968

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

TOTAL MONTHLY SNOWFALL IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
55									*.0	.0	.0	TRACE	
56	*5.7												
57		*TRACE		*.0	.0	.0	.0	.0	.0	.0	.0	TRACE	
58	1.2	6.1	6.0	.3	.0	.0	.0	.0	.0	.0	.0	1.0	14.4
59	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	3.6
60	4.7	1.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.0
61	TRACE	.0	.1	.7	.0	.0	.0	.0	.0	.0	.0	5.5	9.6
62	2.6	2.1	1.1	.0	.0	.0	.0	.0	.0	.0	1.0	7.6	14.4
63	11.2	3.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.2	15.1
64	2.5	TRACE	2.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.9	5.7
65	4.0	.9	4.0	.0	.0	.0	.0	.0	.0	.0	1.5	.7	10.4
66	3.9	3.4	.1	1.4	.0	.0	.0	.0	.0	.0	TRACE	TRACE	8.8
67	.4	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	2.5	2.9
68	5.2	TRACE	TRACE	1.5	.0	.0	.0	.0	.0	.0	.0	.9	7.6
69	1.5	14.1	.3	TRACE	.0	.0	.0	.0	.0	.0	5.0	3.8	24.7
70	1.0	7.1	7.4	1.5	.0	.0	.0	.0	.0	.0	.2	1.3	18.5
71	TRACE	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.5	TRACE	1.6
72	TRACE	1.2	.5	.0	.0	.0	*.0	.0	.0	*.0	.0	.0	
73	.1	.4	TRACE	.5	TRACE	.0	.0	.0	.0	.0	.6	TRACE	1.6
74	.0	TRACE	.1	.0	.0	.0	.0	.0	.0	TRACE	.0	.5	.6
75	.6	.0	.2	.5	.0	TRACE	.0	.0	.0	.0	.0	TRACE	1.3
76	TRACE	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.3
77	3.6	1.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	5.4
78	1.4	2.6	1.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.6	6.1
79	10.5	6.9	4.3	TRACE	*TRACE	*.0	.0	.0	.0	.0	.0	*TRACE	*21.7
80	*1.3	TRACE	TRACE	.0	.0	.0	*.0	.0	.0	.0	*TRACE	*TRACE	*1.3
81	*1.2	1.8	TRACE	*TRACE	*.0	.0	*.0	.0	.0	*.0	*.0	*12.7	*15.7
82	*5.2	1.0	TRACE	.0	TRACE	.0	.0	.0	*.0	.0	*TRACE	TRACE	
83	1.8	*6.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	*8.6
84	5.8	TRACE	TRACE			*.0	.0	.0	.0	.0	.0	*.0	

NOTE * (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

TOTAL MONTHLY SNOWFALL IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
85	11.0	4.7	TRACE	*TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	*15.7
86	2.9	5.7	*TRACE	.2	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	*8.8
87	2.1	.4	.9	TRACE	TRACE	.0	.0	.0	.0	.0			
MEAN	3.01	2.26	1.03	.22	TRACE	TRACE	.00	.00	.00	TRACE	.31	1.21	8.13
S.D.	3.322	3.213	1.942	.472	.000	.000	.000	.000	.000	.000	.984	2.359	6.472
TOTAL OBS	952	845	925	889	922	898	929	930	909	914	901	954	10968

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH
FROM SUMMARY OF DAY DATA

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

MONTH	AMOUNTS IN INCHES													% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS	
	NONE	TRACE	1	2	3	4 TO 6	7 TO 12	13 TO 24	25 TO 36	37 TO 48	49 TO 60	61 TO 120	OVER 120			MEAN	GREATEST LEAS
JAN	82.1	7.4	2.3	2.3	2.1	3.4	.4							10.5	951		
FEB	85.6	3.8	4.7	3.4	1.4	1.0	.1							10.6	834		
MAR	96.4	2.3	.5	.3	.1	.3								1.3	946		
APR	99.6	.3	.1											.1	889		
MAY	100.0														922		
JUN	100.0														898		
JUL	100.0														929		
AUG	100.0														930		
SEP	100.0														909		
OCT	100.0														914		
NOV	98.8	1.2													901		
DEC	94.9	1.8	1.7	.4	.2	.8	.2							3.4	954		
ANN	96.4	1.4	.8	.5	.3	.5	.1							2.2	10977		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
55									*0	0	0	0	
56	*4	*0	*0	*0	0	0	0	0	0	0	0	0	
57	1	2	1	0	0	0	0	0	0	0	0	1	2
58	1	0	0	0	0	0	0	0	0	0	0	0	1
59	3	0	0	0	0	0	0	0	0	0	0	1	3
60	0	0	0	0	0	0	0	0	0	0	0	7	7
61	8	2	TRACE	0	0	0	0	0	0	0	0	7	8
62	7	2	TRACE	0	0	0	0	0	0	0	0	TRACE	7
63	0	0	0	0	0	0	0	0	0	0	0	0	
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	3	0	0	1	0	0	0	0	0	0	0	1	3
69	TRACE	8	1	0	0	0	0	0	0	0	TRACE	TRACE	8
70	TRACE	4	5	TRACE	0	0	0	0	0	0	0	2	5
71	0	TRACE	0	0	0	0	0	0	0	0	TRACE	0	TRACE
72	*TRACE	0	TRACE	0	0	0	*0	0	0	*0	0	0	
73	0	TRACE	0	0	0	0	0	0	0	0	TRACE	0	TRACE
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	1	0	1	0	0	0	0	0	0	0	0	0	1
76	1	0	0	0	0	0	0	0	0	0	0	1	1
77	TRACE	2	0	0	0	0	0	0	0	0	0	0	2
78	2	2	2	TRACE	0	0	0	0	0	0	TRACE	1	2
79	6	4	2	0	*0	*0	0	0	0	0	0	*TRACE	6
80	*TRACE	0	0	0	0	0	*0	0	0	0	*TRACE	*0	*TRACE
81	*TRACE	1	0	*0	*0	0	*2	0	0	*0	*0	*5	*5
82	*5	TRACE	0	0	0	0	0	0	*0	0	*0	0	
83	2	*3	0	0	0	0	0	0	0	0	0	0	*3
84	3	0	0			*0	0	0	0	0	0	*0	

NOTE * (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
85	4	4	0	*0	0	0	0	0	0	0	TRACE	0	4
86	2	4	*TRACE	TRACE	0	0	0	0	0	0	0	0	4
87	2	TRACE	TRACE	0	0	0	0	0	0	0			
MEAN	1.8	1.3	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	.8	2.6
S.D.	2.286	1.974	1.053	.192	.000	.000	.000	.000	.000	.000	.000	1.267	2.910
TOTAL OBS	951	834	946	889	922	898	929	930	909	914	901	954	10977

NOTE * (BASED ON LESS THAN FULL MONTHS)

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SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITY IS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 59-87

DAILY PEAK GUSTS IN KNOTS													
-M-O-N-T-H-S-													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59				SSW*30	NE 28	SSW 31	W 35	SW 27	SW 28	W 45	SSE 35	SSW 42	
60	W 39	SW 41	NNW 45	W 45	NE 30	SW 38	WSW 33	W 31	NNW 34	NW 29	SW 40	W 49	W 49
61	SW 40	W 48	WSW 31	WSW*31	W *34	WSW 28	NNW 33	SSW*42	SW *36	NNW*43	SW *39	SW 49	SW 49
62	WSW 60	ENE 52	SW 32	SSW 46	NW 37	SW *32	SW 30	N *39	S *33	W *28	N 39	NNW*56	WSW 60
63	ENE*41	ESE*26	WSW*38	SSE 34	SSW*31	NNW 32	SSW 27	WSW*37	SW *34	SW *26	WSW 46	SW 28	WSW 46
64	NNW 27	W 23	NNW 32	NNE 31	WSW 39	ENE 26	WSW 29	SSW 29	WSW 35	SW 32	W 35	NNW 40	NNW 40
65	WSW 46	W 38	SW 29	NNW 37	W 37	WSW 41	WSW 30	NNW 30	S 41	SW 36	WSW 45	NNW 51	NNW 51
66	W 36	SW 41	W 50	N 34	WSW 42	NNW 33	SW 34	SW 38	WSW 37	SE 39	NNW 44	SSW 42	W 50
67	WSW 32	SW 51	NNW 37	NNW 35	SW 36	SW 32	WSW 37	W 27	SW 43	W 43	NNW 34	N 29	SW 51
68	WSW 39	ESE 29	NNW 44	SW 36	WSW 33	SW 35	18/ 51	29/ 31	23/ 39	23/ 29	34/ 34	25/ 36	18/ 51
69	14/ 33	25/ 36	25/ 33	27/ 44	29/ 30	36/ 28	29/ 30	36/ 32	25/ 32	32/ 30	25/ 37	18/ 31	27/ 44
70	30/ 27	29/ 46	30/ 35	34/ 33	30/ 33	30/ 35	29/ 36	25/ 40	24/ 40	31/ 45	26/ 50	30/ 39	26/ 50
71	21/ 32	31/ 40	29/ 30	11/ 30	14/ 27	30/ 32	27/ 29	25/ 31	27/ 29	20/ 35	33/ 40	24/ 35	31/ 40
72	33/ 44	17/ 37	28/ 40	29* 32	25/ 42	21/ 33	32* 23			35* 27	30/ 48	21/ 41	
73	24/ 27	29/ 37	33/ 36	28/ 48	30/ 36	35/ 27	29/ 24	26/ 36	33/ 33	28/ 38	29/ 36	32/ 42	26/ 48
74	27/ 56	20/ 44	29/ 35	6/ 26	2/ 26	27/ 38	37/ 39	29/ 30	23/ 48	29/ 40	29/ 42	27/ 46	27/ 56
75	24/ 55	29/ 30	20/ 33	29/ 40	3/ 36	32/ 33	23/ 29	30/ 28	24/ 46	30/ 38	34/ 43	32/ 40	24/ 55
76	28/ 65	36/ 40	26/ 32	32/ 33	29/ 35	30/ 31	20/ 25	32/ 26	10/ 50	25/ 39	19/ 38	16/ 31	28/ 65
77	25/ 41	20/ 37	30/ 41	30/ 47	6/ 33	33/ 34	28/ 29	23/ 31	21/ 34	27/ 40	30/ 54	24/ 45	30/ 54
78	36/ 51	26/ 30	28/ 45	34/ 31	32/ 30	2/ 26	2/ 26	22/ 24	29/ 37	25/ 27	21/ 40	7/ 35	36/ 51
79	21/ 42	3/ 38	23/ 39	22/ 39	21* 35	34* 31	32/ 26	22/ 43	28/ 31	10/ 27	23/ 34	25/ 45	25/ 45
80	16/ 43	22/ 29	23/ 40	33/ 33	4/ 25	18/ 30	33/ 32	32/ 30	24/ 37	4/ 38	26* 40	30/ 43	10/ 43
81	29/ 47	21* 38	21* 38	2* 42	20/ 34	21/ 30	29/ 28	2* 28	22/ 34	22/ 35	29* 41	2* 35	29/ 47
82	1* 36	20/ 37	28/ 45	25/ 33	31/ 36	30/ 27	2* 27	21/ 34	36* 23		18* 35	27/ 54	
83	27/ 47	26* 48	28/ 46	36/ 38	29/ 28	29/ 25	32/ 23	31/ 23	25/ 43	20/ 41	28* 33	1/ 43	26* 48
84	34/ 53	30/ 64	31/ 55			27* 18	35/ 25	27/ 26	1/ 38	25/ 39	21/ 35	34* 39	
85	24/ 42	9/ 30	26/ 29	28/ 34	22/ 26	32/ 37	25/ 36	17/ 35	30/ 32	21/ 39	21/ 43	4/ 39	21/ 43
86	31/ 52	4/ 38	25* 40	4/ 38	21/ 32	25/ 31	35/ 30	27/ 34	35/ 36	22/ 40	22/ 37	28/ 47	31/ 52
87	6/ 39	21/ 32	23/ 58	28/ 41	36/ 41	22/ 32	1/ 32	29/ 26	22/ 31				
MEAN	42.8	38.7	35.9	36.9	33.3	31.7	31.0	30.9	37.0	36.3	40.4	41.9	49.9
S.D.	17.203	8.844	7.996	5.838	5.038	4.075	5.785	4.977	5.853	5.522	5.549	6.633	6.302
TOTAL OBS	849	772	845	808	848	831	859	847	796	798	788	839	9880

NOTES * (BASED ON LESS THAN FULL MONTHS)
S (BASED ON LESS THAN FULL MONTHS AND >100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: G35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 79,82-87
MONTH: JAN HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.9	4.1	4.5	.2								10.7	6.1
NNE	1.4	.2	1.0	1.9								4.5	8.1
NE	.2	2.6	1.4	2.4								6.7	8.7
ENE	.7	1.0		.5								2.1	6.2
E	.5	1.0	1.0	.5								2.9	7.0
ESE	.5		.2	.2								1.0	6.5
SE	.5	.2	.5	1.2								2.4	9.5
SSE		1.0	.7	1.2	.2							3.1	10.0
S	1.0	1.9	1.4	1.0	.2							5.5	6.9
SSW	1.0	2.6	2.1	.7	.5							6.9	7.5
SW	1.0	3.1	3.6	1.4	1.4							10.5	9.2
WSW	1.4	1.2	3.3	3.6								9.5	9.6
W	1.0	1.4	3.8	5.3	.7	.2						12.4	10.8
WNW	1.7	1.7	1.4	1.7	.7	1.0						8.1	10.7
NW	.7	1.4	1.0	2.1								5.3	8.5
NNW	.2	.7	1.2	1.2								3.3	9.2
VARIABLE				.7	.2	.2						1.2	16.4
CALM	////////////////////////////////////											3.8	////
TOTALS	13.6	24.1	27.2	25.8	4.1	1.4						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.4	3.6	2.4	1.6		.4					10.5	7.2
NNE	.8	.5	.3	.7							2.3	6.9
NE	.8	1.1	1.3	1.3	.3						4.8	8.7
ENE	.1	.7	.1	1.1	.1						2.2	10.1
E	.5	1.2	1.2	.7							3.6	7.4
ESE	.3	.8	.4	.4							1.9	6.6
SE	.4	.5	.1	.8	.5						2.4	11.2
SSE	.3	1.5	.5	.5							2.8	7.0
S	1.7	2.0	2.2	.5	.5	.1					7.1	7.4
SSW	1.2	2.4	2.2	1.9	.7	.1					8.5	8.6
SW	.9	3.0	3.1	3.5	.3	.3					11.0	9.0
WSW	.9	2.6	4.7	2.0	.4	.3					10.9	8.9
W	.7	2.7	2.3	3.9	1.1	.3					10.9	10.3
WNW	.8	1.2	1.2	1.9	1.1						6.2	10.1
NW	.9	.7	1.5	1.2	.1						4.4	8.5
NNW	.8	.8	1.1	1.9	.3						4.9	9.3
VARIABLE			.3	.8	.5						1.6	14.3
CALM	////////////////////										4.0	////
TOTALS	13.7	25.3	24.9	24.7	5.9	1.5					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-59	
N	2.1	4.4	1.2	1.0	.2	.1					9.0	6.3
NNE	.1	1.2	.9								2.2	5.8
NE	.4	.6	.6	.5	.6						2.7	9.9
ENE	.2		.2	1.3	.2						2.1	12.1
E	.5	1.6	.2	1.3							3.7	7.8
ESE	.6	.6	.2	.9							2.3	7.8
SE	.1	.6		.9		.4					2.0	12.5
SSE	.2	.7	1.1	.6							2.7	8.5
S	.7	2.4	2.4	.5	.4						6.5	7.0
SSW	.5	2.7	2.9	1.1	.6	.1	.1				8.0	8.9
SW	1.5	4.4	3.4	3.2	.9						13.3	8.4
WSW	1.1	2.8	4.1	3.4	.2	.4					12.1	9.1
W	1.0	1.0	2.3	4.3	1.5	.1					10.1	11.3
WNW	.5	1.0	1.1	2.0	.1						4.6	9.6
NW	1.0	.9	2.1	1.8							5.7	8.8
NNW	.9	1.1	2.1	1.8	.7	.1					6.7	10.0
VARIABLE			.2	.6	.4	.2					1.5	15.7
CALM	////////////////////										4.9	////
TOTALS	11.3	26.0	25.2	25.1	5.9	1.5	.1				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	4.3	2.8	1.3	.2						10.6	6.6
NNE	.5	.7	.9	.5							2.6	7.0
NE	.2	.6	.5	.3		.1					1.7	7.9
ENE	.6	.2	.7	.8	.2						2.6	9.3
E	1.0	.9	.8	.7							3.5	6.6
ESE	.3	1.2	.8	.2							2.6	6.5
SE	.1	.3	.6	.9	.1						2.1	10.6
SSE	.6	.6	.8	1.0							3.0	8.4
S	1.0	2.2	2.0	1.0							6.3	6.7
SSW	.6	2.0	2.9	1.9	.5	.5					8.3	9.7
SW	.7	2.8	3.3	3.7	.2						10.7	9.0
WSW	.6	2.6	4.9	4.1	.8	.2					13.2	9.9
W	.8	.8	3.0	4.2	1.0	.7					10.6	11.9
WNW		1.2	1.0	1.7	1.0	.2	.1				5.4	12.5
NW	.3	.5	1.6	1.9	.7						5.3	11.3
NNW	.9	1.0	2.2	2.0	.5	.2					6.9	9.7
VARIABLE			.2	.9	.7	.3					2.2	16.3
CALM	////////////////////////////////////										2.9	////
TOTALS	10.4	21.9	29.1	27.2	6.1	2.3	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 859

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	3.0	3.2	2.5	.4	.1					11.3	8.3
NNE	.4	1.3	1.4	.8							3.9	7.3
NE	.2	.5	.5	.2	.1	.1					1.8	8.9
ENE	.3	1.2	.2	1.1	.1						3.0	8.3
E	.4	.5	1.0	1.0	.1						3.1	8.8
ESE	.3	.3	1.2								1.9	6.6
SE	.1	.3	1.2	.3	.1						2.1	8.8
SSE	.8	1.3	.8	1.0	.4	.1					4.4	8.5
S	1.1	1.5	2.5	1.2	.1						6.5	7.6
SSW	.5	2.0	1.5	1.2	.4	.1					5.8	9.0
SW	.5	1.4	2.3	3.6	.8						8.7	10.4
WSW	.9	2.2	3.7	3.5	1.4	.1					11.8	10.4
W	.2	2.2	3.7	5.8	1.1	.7	.4				14.1	12.5
WNW	.1	1.0	1.1	2.2	1.8	1.1					7.2	14.3
NW	.1	.3	.9	1.6	.7	.2					3.8	12.7
NNW	.3	1.4	1.3	1.8	.7	.2					5.7	10.5
VARIABLE				1.3	.8	.5					2.6	17.3
CALM	////////////////////										2.3	////
TOTALS	7.7	21.5	26.6	29.2	9.0	3.3	.4				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.2	3.7	2.5	2.4	.5	.2	.1	.1				10.8	9.2
NNE	.8	2.0	1.0	1.0								4.7	6.7
NE	.2	1.3	.5	.2	.2							2.5	7.0
ENE	.2	.8	.5	1.0								2.5	8.8
E	.4	.8	.9	.7	.2							3.0	8.5
ESE	.2	.5	.8	.2								1.7	7.3
SE	.1	1.0	1.0	.2								2.3	7.1
SSE	.4	.5	1.0	1.1								3.1	8.4
S	.9	1.4	1.7	2.3	.3							6.7	9.0
SSW	1.4	2.0	2.0	1.4								6.8	7.0
SW	.8	2.7	4.0	3.0	.9							11.4	9.2
WSW	.9	2.4	4.3	1.9	1.3							10.7	9.5
W	.3	2.6	4.5	4.3	1.3	.5						13.6	10.8
WNW	.3	1.2	.7	1.9	.5	.4						5.0	11.8
NW	.5	1.0	1.5	.9	.3	.1		.1				4.5	9.8
NNW	.5	1.4	1.3	1.4	.5	.1						5.4	9.3
VARIABLE			.1	1.0	.3	.1						1.5	16.3
CALM	////////////////////////////////////											3.9	////
TOTALS	9.3	25.4	28.3	24.7	6.6	1.5	.1	.2				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: D35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.5	3.6	1.8	1.6	.5		.3	.1			10.4	7.9
NNE	.4	1.8	1.0	.9							4.2	7.2
NE	.3	.9	.4	1.2	.1						2.9	9.1
ENE	.4	.4	1.0	.7							2.5	8.5
E	.7	.8	.7	.7	.1	.1					3.0	8.1
ESE	.3	1.0	.7	.1	.4						2.5	8.1
SE	.4	1.0	.5	.1							2.1	6.0
SSE	.4	1.3	.7	1.2							3.5	8.0
S	.9	1.7	2.0	1.4	.1						6.1	7.8
SSW	1.4	2.9	1.6	2.3	.4						8.6	7.8
SW	.9	4.4	3.1	3.0	.7	.3					12.4	8.9
WSW	.7	3.1	4.2	2.5	.1						10.5	8.3
W	.8	2.3	3.5	3.9	.8	.4					11.7	10.3
WNW	1.3	.5	1.3	1.2	.9	.4					5.6	10.6
NW	.5	1.3	1.2	.3	.1						3.4	6.9
NNW	.5	1.0	2.0	1.9	.3						5.6	9.1
VARIABLE				.8	.1	.1					1.0	15.8
CALM	////////////////////										4.2	////
TOTALS	12.2	28.2	25.5	23.5	4.7	1.3	.3	.1			100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 769

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.2	3.2	2.5	1.1		.1	.3		8.4	7.7
NNE	.9	2.0	.9	.9	.1				4.4	7.4
NE	.1	.7	.3	1.1					2.1	8.8
ENE	.1	.7	.8	1.3	.4				3.3	10.7
E	1.3	1.1	.5	.3					3.2	5.3
ESE	.3	.7	.5	.4	.1				2.0	8.2
SE	.1	.4	.9	.1					1.6	7.8
SSE	.8	1.2	1.2	.9					4.1	7.5
S	.5	1.7	1.6	.7	.3				4.8	7.6
SSW	2.1	2.7	3.1	2.0	.8				10.7	8.0
SW	.5	2.1	4.6	2.5	1.2	.4			11.4	10.3
WSW	1.2	3.1	4.1	2.1	.3	.1			11.7	8.1
W	.5	2.3	2.9	5.1	.5	.4			11.8	10.7
WNW	.7	1.1	1.3	1.5	.3	.3	.1		5.2	10.3
NW	.3	1.6	1.5	.3		.1			3.7	8.0
NNW	.3	1.1	2.4	.9	.5				5.2	9.6
VARIABLE			.1	.1		.1			.4	17.0
CALM	////////////////////////////////////								6.4	////
TOTALS	10.6	25.6	29.5	21.4	4.6	1.6	.4		100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 747

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.8	3.8	2.5	1.6	.3	.1	.1	.0				10.2	7.6
NNE	.5	1.3	.9	.8	.0							3.6	7.1
NE	.3	.9	.6	.8	.2	.0						2.9	8.6
ENE	.3	.6	.5	1.0	.1							2.6	9.4
E	.7	1.0	.8	.7	.1	.0						3.2	7.5
ESE	.3	.7	.6	.3	.1							2.0	7.3
SE	.2	.6	.6	.5	.1	.0						2.1	9.2
SSE	.5	1.0	.9	.9	.1	.0						3.4	8.2
S	1.0	1.9	2.0	1.1	.2	.0						6.2	7.6
SSW	1.1	2.4	2.3	1.6	.5	.1	.0					7.9	8.4
SW	.8	3.0	3.4	3.1	.7	.1						11.2	9.3
WSW	.9	2.6	4.2	2.9	.6	.1						11.4	9.3
W	.6	1.9	3.3	4.6	1.0	.4	.1					11.9	11.1
WNW	.6	1.1	1.1	1.8	.8	.4	.0					5.8	11.5
NW	.5	.9	1.4	1.2	.3	.1		.0				4.4	9.5
NNW	.6	1.1	1.7	1.6	.5	.1						5.6	9.6
VARIABLE			.1	.8	.4	.2						1.5	16.2
CALM	////////////////////////////////////											4.0	////
TOTALS	10.8	24.7	27.1	25.3	6.0	1.9	.2	.0				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 6185

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78.02-87
MONTH: FEB HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	2.3	6.3	2.5	.8	.3			12.1	5.8
NNE	1.8	2.0	2.5	1.3				7.5	6.9
NE	1.8	3.8	3.0	1.3	.5			10.3	7.2
ENE	.5	4.5	3.5	1.3				9.8	7.3
E	3.8	3.0	1.3	.8				8.8	4.9
ESE	.8	.8						1.5	3.3
SE			.5	.8				1.3	11.2
SSE		.5	2.0	1.3				3.8	9.3
S	1.5	3.5	1.5	.8				7.3	5.9
SSW	1.3	.8	2.0	.8	.8			5.5	9.1
SW	1.5	2.5	2.5	.8	.5			7.8	7.3
WSW	.5	1.5	2.0	2.0	.5			6.5	9.1
W	.8	.5	1.0	1.0		.3		3.5	8.7
WNW			.8	.3	.3			1.3	11.6
NW	.3			.5	.8			1.5	14.0
NNW	.3	2.0	.3					2.5	5.4
VARIABLE									
CALM	////////////////////							9.7	////
TOTALS	16.8	31.7	25.4	13.3	3.5	.3		100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 398

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	3.4	2.1	1.0	.6							9.4	6.7
NNE	1.2	1.8	1.9	2.2	.3							7.3	8.2
NE	1.0	2.3	3.5	1.5	.9							9.2	8.4
ENE	1.2	3.2	2.6	1.6								8.7	7.0
E	1.6	3.2	2.5	.6								7.9	5.9
ESE	1.3	1.8	.3									3.4	4.2
SE	.1	.7	.9	1.0								2.8	8.2
SSE	.6	.4	1.2	.6								2.8	7.7
S	1.2	2.3	2.6	1.2								7.3	7.1
SSW	.9	2.8	2.3	1.2	.3							7.5	7.5
SW	1.5	1.9	1.5	.6	.7							6.2	7.8
WSW	.3	1.0	1.6	.7	.6							4.3	9.7
W	.6	1.0	3.4	1.3	.1							6.5	8.8
WNW	.3	1.2	.7	.4		.1	.1					2.9	9.1
NW	.3	.1	1.2	1.0				.1				2.8	10.9
NNW	.6	1.3	1.6		.1							3.7	6.3
VARIABLE													
CALM	////////////////////											7.5	////
TOTALS	15.0	28.6	29.9	15.0	3.7	.1	.1	.1				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 682

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.2	3.7	3.0	1.2	.3						10.4	6.6
NNE	1.7	2.5	1.8	1.8	.3						8.2	7.4
NE	1.3	2.2	2.2	1.1	.4	.4					7.6	8.2
ENE	.7	2.2	3.4	1.8							8.2	8.0
E	2.1	3.0	2.1	.8							8.0	5.8
ESE	.7	.8	1.7			.1					3.3	7.2
SE	.1	1.4	1.4	.4							3.4	7.3
SSE	.7	1.1	1.6	.5							3.8	7.0
S	1.3	2.5	2.6	1.8	.4						8.7	7.8
SSW	.9	1.4	2.0	1.4	.1						5.9	8.0
SW	1.3	1.1	2.0	1.1	.3						5.7	7.9
WSW	1.4	1.6	2.8	.8	.3						6.8	7.1
W	.9	1.2	2.1	1.8		.1					6.2	8.8
WNW	.7	1.2	1.1	.5	.3	.1	.1				3.9	8.9
NW		.5	.4	.4			.1				1.4	10.7
NNW	.5	.5	1.2	.7							2.9	7.5
VARIABLE			.1								.1	10.0
CALM	////////////////////////////////////										5.4	////
TOTALS	16.6	27.0	31.6	16.2	2.2	.8	.3				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 760

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.3	2.6	3.9	1.6	.5							10.0	8.2
NNE	1.4	2.9	2.0	.9	.1							7.3	6.7
NE	.4	1.5	2.0	1.5	.3	.5						6.2	9.9
ENE	.5	1.8	3.9	2.8	.1							9.1	8.9
E	1.4	3.0	2.5	2.6	.1							9.7	7.9
ESE	.8	.9	1.4	.8	.3	.1						4.2	8.4
SE	.5	1.1	1.8	.5								3.9	7.1
SSE	.4	.4	1.9	1.4								4.0	9.2
S	.5	1.4	3.5	1.9	.5							7.8	9.0
SSW	1.8	1.8	2.3	2.3	.3							8.3	7.9
SW		1.3	2.0	1.3	.3							4.8	9.4
WSW	.3	1.9	1.9	1.1	.3	.3						5.7	9.4
W	.4	1.3	1.6	2.8	.1	.3						6.4	10.2
WNW	.3	.6	.8	1.5	.1	.1						3.5	10.3
NW	.1	.3	.9	.3		.1						1.6	9.8
NNW	.4	.9	1.3	1.0	.1	.1						3.8	8.9
VARIABLE			.1									.1	10.0
CALM	////////////////////											3.5	////
TOTALS	10.2	23.7	33.8	24.2	3.0	1.5						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.1	4.5	2.4	.6	.2					9.5	9.9
NNE	.2	1.4	1.3	1.3	.2						4.5	8.5
NE	.6	1.6	2.3	1.9	.1	.7					7.2	10.0
ENE	.2	1.8	3.2	3.6	.2						9.1	9.8
E	.7	2.1	3.2	2.7	.5						9.3	8.9
ESE	.4	1.1	1.4	1.2	.4						4.4	9.5
SE	.5	1.4	1.2	2.0	.1	.1					5.4	9.3
SSE	.6	1.3	2.3	1.9	.2						6.3	8.9
S	.6	.7	3.0	2.5	.4						7.2	9.7
SSW	.7	1.9	1.3	2.0	.4	.1					6.4	9.2
SW	.2	1.3	1.7	2.3	.6						6.1	10.3
WSW	.6	1.2	1.7	1.2	.4						5.7	8.8
W	.2	.8	1.4	1.8	1.0	.1	.2				5.6	12.6
WNW	.2	.6	1.0	1.1	1.0	.4					4.2	12.5
NW	.4	.1	1.7	.8	.4	.2					3.6	10.8
NNW	.4	.2	1.9	.4		.2					3.1	9.7
VARIABLE			.7	.4	.1						1.2	11.0
CALM	////////////////////										1.9	////
TOTALS	7.3	18.7	33.8	29.5	6.4	2.1	.2				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 838

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.1	3.3	2.7	.2						8.4	9.2
NNE	.8	1.3	2.3	1.3		.4					6.1	8.8
NE	1.2	1.3	3.2	1.9	.4	.4					8.4	9.1
ENE	.8	1.9	3.8	3.5	.4						10.4	9.2
E	1.4	2.4	3.2	1.7							8.7	7.4
ESE	.8	.8	1.1	1.9	.5						5.1	9.7
SE	.5	1.4	1.1	1.8	.1						4.9	9.0
SSE	.2	1.0	1.8	1.9							4.9	9.3
S	1.1	1.2	3.1	1.8	.4	.2					7.8	9.0
SSW	1.1	1.1	1.6	2.0	.2						6.0	8.8
SW	.5	1.7	1.0	1.1	.5						4.7	8.3
WSW	1.0	1.0	1.4	1.7	.2						5.3	8.8
W	.4	1.6	2.4	2.0	.2	.2					6.8	9.6
WNW	.4	1.1	.6	1.4	.4						3.8	10.1
NW	.1	.5	1.6	.7	.1						3.0	9.5
NNW	.2	.6	1.0	.4	.2	.2					2.6	10.0
VARIABLE				.5							.5	13.3
CALM	////////////////////										2.7	////
TOTALS	11.5	19.8	32.4	28.3	3.8	1.4					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS: 1800-2400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.8	1.8	3.5	1.4	.4							9.1	7.6
NNE	1.6	1.4	2.7	1.1	.1	.1						7.1	7.6
NE	2.1	3.3	2.8	1.6	.4							10.2	7.5
ENE	1.1	2.6	4.0	2.7								10.4	7.9
E	1.8	2.7	2.8	.4								7.8	6.2
ESE	.9	1.8	.6	.7	.3							4.3	7.0
SE	.7	.6	.9	2.6	.4							5.1	10.3
SSE	1.1	1.6	1.0	.7								4.4	6.4
S	1.7	1.8	2.1	2.4	.3							8.4	8.1
SSW	.7	1.0	1.6	1.4	.4	.1						5.2	9.4
SW	1.1	1.4	1.3	.7								4.5	6.4
WSW	1.1	1.0	1.8	.9								4.8	6.7
W	.4	2.1	2.4	.6	.4	.1						6.1	8.4
WNW		.7	.9	1.3								2.9	9.3
NW	.3	.6	.6	.1	.3							1.9	8.1
NNW	.9	1.0	1.0	.1	.3							3.3	6.7
VARIABLE				.1								.1	14.0
CALM	////////////////////////////////////											4.5	////
TOTALS	17.4	25.4	29.9	18.9	3.4	.4						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 705

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.9	2.9	2.6	1.2	.6							9.2	7.3
NNE	1.0	1.8	2.9	.9	.1							6.7	7.3
NE	1.8	3.2	3.1	1.5	.7	.1						10.4	7.8
ENE	.9	3.8	3.2	1.8								9.6	7.1
E	2.6	2.8	1.3	.6								7.3	5.2
ESE	.6	.7	1.5	.6								3.4	7.2
SE	.1	.6	1.3	.4	.4							2.9	10.4
SSE	1.5	1.8	2.3	.9								6.4	6.7
S	1.3	1.5	2.0	2.5		.1						7.5	8.3
SSW	.9	.9	2.0	.9	.9	.3						5.8	10.0
SW	.9	2.3	1.6	.9	.1							5.8	7.0
WSW	.7	1.3	2.8	1.2								6.0	8.0
W	.7	1.2	2.0	.9								4.8	7.2
WNW	.9	1.0	.9	1.0	.1							3.9	7.3
NW	.6	.3	.1	.7			.1					1.9	10.1
NNW	.7	1.2	1.0	.1								3.1	6.1
VARIABLE			.1									.1	9.0
CALM	////////////////////											5.0	////
TOTALS	17.1	27.2	31.0	15.9	3.1	.6	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 684

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 79-87
MONTH: FEB HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	2.6	3.3	1.6	.4	.0					9.6	7.8
NNE	1.2	1.9	2.1	1.4	.2	.1					6.8	7.7
NE	1.2	2.3	2.7	1.5	.4	.3					8.5	8.5
ENE	.7	2.6	3.5	2.5	.1						9.4	8.3
E	1.8	2.8	2.5	1.4	.1						8.5	6.8
ESE	.8	1.1	1.1	.7	.2	.3					3.9	7.8
SE	.4	1.0	1.2	1.2	.1	.3					3.9	8.9
SSE	.6	1.0	1.8	1.2	.0						4.6	8.1
S	1.1	1.7	2.7	1.9	.3	.1					7.9	8.3
SSW	1.0	1.5	1.9	1.6	.4	.1					6.4	8.6
SW	.8	1.6	1.6	1.1	.4						5.5	8.2
WSW	.9	1.3	2.0	1.2	.3	.3					5.5	8.4
W	.5	1.2	2.1	1.6	.3	.1	.0				5.9	9.5
WNW	.4	.9	.8	1.0	.3	.1	.0				3.5	9.8
NW	.2	.3	.9	.6	.2	.1	.0	.0			2.3	10.3
NNW	.5	.9	1.2	.4	.1	.1					3.1	7.8
VARIABLE			.2	.1	.0						.3	11.4
CALM	////////////////////										4.6	////
TOTALS	13.6	24.6	31.4	21.0	3.7	1.0	.1	.0			100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 5697

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-80,82-87
MONTH: MAR HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.8	2.7	2.2	.7	.2							9.6	5.6
NNE	1.1	3.3	1.1	.2								5.8	5.3
NE	.2	.9	2.7	.2								4.0	7.3
ENE	.4	.7	1.6	.2								2.9	6.5
E	.2	.2	.4									.9	5.8
ESE	.2	.9	1.1	.9								3.1	8.4
SE	.9	1.3	.7	.2								3.1	6.0
SSE	1.1	1.6	.9	.4	.2							4.2	6.4
S	2.0	2.9	1.6	1.1		.7						8.3	7.3
SSW	3.6	1.3	2.0	.4	.2	.2						7.8	6.0
SW	2.7	5.1	4.2	1.3		.7						14.1	7.0
WSW	2.5	2.5	2.7	1.8	.2	.4						10.0	7.8
W	2.0	3.8	3.6	.7	.2							10.3	6.7
WNW	.2	.9	2.5	.4								4.0	7.6
NW	.4	1.6	1.6	.2								3.9	6.2
NNW	1.1	1.3	.7			.4	.2					3.8	8.5
VARIABLE			.2	.2	.2							.7	13.7
CALM	////////////////////											3.6	////
TOTALS	22.5	31.0	29.7	9.2	1.3	2.5	.2					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 448

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	2.2	1.1	1.4	.5						7.0	7.6
NNE	.8	2.4	1.7	.8	.3	.1					6.0	7.8
NE	.5	.8	1.4	.5							3.2	7.6
ENE	.5		.6	.3							1.4	6.7
E	.1	.1	1.3	.4							1.9	8.3
ESE	.3	.1	.8	.8							1.9	9.7
SE	.1	.3	1.1	.5							2.0	8.7
SSE	1.3	1.8	1.3	.4							4.7	5.5
S	2.4	3.2	2.3	1.7	.3	.4					10.2	7.6
SSW	2.2	3.7	1.9	1.5	.4	.1					9.8	6.9
SW	2.8	5.6	3.8	2.3	.4						14.7	7.1
WSW	1.8	4.0	4.5	2.8	.5	.4					13.9	8.5
W	.8	2.0	3.4	1.7	.6						9.6	8.7
WNW	.6	1.5	1.5	1.1	.3						5.1	8.4
NW	.3	1.4	.9	.1	.3						2.9	7.3
NNW	1.3	1.0	.9	.8	.5	.1					4.6	8.3
VARIABLE												
CALM	////////////////////										1.7	////
TOTALS	17.5	30.1	28.6	17.0	4.0	1.1					100.7	7.6

TOTAL NUMBER OF OBSERVATIONS: 763

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.6	3.2	1.5	2.1	.5							9.7	7.9
NNE	.2	1.9	1.2	.6	.4	.1						4.4	8.5
NE	.2	.2	1.9	.9								3.3	9.3
ENE	.1	.5	.9									1.5	7.0
E		.1	1.2	.1								1.4	9.0
ESE	.1	.4	.5	.7								1.6	9.4
SE	.4	.8	.7	1.4								3.3	8.5
SSE	1.5	1.8	1.5	.7								5.5	6.3
S	1.1	2.7	2.0	3.2		.4						9.3	8.8
SSW	2.9	3.7	1.9	1.8	.2	.5						11.1	7.6
SW	1.1	4.1	4.2	3.7	.6							13.7	8.7
WSW	.9	2.5	3.8	2.2	.7	.1						10.2	8.9
W	.8	2.4	3.7	2.2	.6	.2						9.5	9.3
WNW	.7	.7	2.4	.8	.4	.2						5.2	9.6
NW	.5	1.6	1.5	.9								4.5	7.4
NNW	.1	.2	2.1	.6	.5	.2						3.9	11.2
VARIABLE				.4								.4	12.7
CALM	////////////////////											1.9	////
TOTALS	12.4	26.7	31.0	22.4	3.8	1.9						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	.8	2.9	2.4	1.6						8.3	11.1
NNE	.2	.7	1.5	1.1	.8						4.3	10.7
NE	.6	.6	1.7	1.6							4.4	9.2
ENE	.1	.4	1.1	.8							2.5	9.0
E	.4	.2	1.1	1.6							3.4	9.6
ESE	.1	.3	.2	.7							1.3	9.3
SE	.6	.6	.2	1.1							2.5	8.6
SSE	.2	.7	1.9	1.2	.1						4.2	9.2
S	.7	1.7	4.0	3.0	.2						9.7	9.3
SSW	1.2	1.2	3.7	1.9	.7	.2	.2				9.2	9.8
SW	.3	2.0	2.7	4.6	.8	.2					10.7	10.9
WSW		1.7	2.6	3.0	.8						8.1	10.8
W	.3	1.2	3.8	4.3	1.9	1.0					12.6	12.6
WNW	.2	.6	1.9	1.6	1.2	.4	.1				6.1	12.8
NW		.6	.8	1.7	1.0	.2					4.3	13.3
NNW	.2	.3	1.6	1.7	.2	.1					4.2	11.0
VARIABLE		.1	1.0	1.2	.2	.2		.1			2.9	13.8
CALM	////////////////////////////////////										1.5	////
TOTALS	6.0	13.7	32.8	33.5	9.6	2.5	.3	.1			100.0	10.7

TOTAL NUMBER OF OBSERVATIONS: 989

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	.4	4.5	2.2	1.1						8.4	10.6
NNE	.2	.3	2.0	1.2	1.1	.2					5.1	11.8
NE	.1	.3	1.5	1.2	.4						3.5	10.8
ENE	.2	.6	1.0	.8	.3						2.9	9.2
E	.8	.5	1.5	1.0							3.8	7.9
ESE	.1	.1		.2	.3						.8	12.7
SE	.5	.2	.5	.8							2.0	8.5
SSE	.2	.5	1.6	1.7	.4						4.5	10.8
S	1.2	1.0	3.0	2.2	.4						7.7	9.1
SSW	.2	1.0	2.4	2.7	.8	.5	.1				7.6	12.1
SW	.2	1.9	2.0	5.2	.5	.1	.3				10.3	11.3
WSW	.5	.9	1.9	2.8	1.5	.2	.1				8.7	12.1
W	.2	.9	3.3	4.7	1.8	1.3					11.9	13.0
WNW		.9	1.3	2.7	1.2	.9	.1				7.0	13.9
NW	.2	.5	1.4	1.7	.8	.8	.1				5.5	13.4
NNW	.6	.3	1.4	1.7	.2	.1					4.4	10.1
VARIABLE	.1	.3	2.4	1.7	.8	.4	.3				6.3	13.4
CALM	////////////////////////////////////										.5	////
TOTALS	5.7	10.8	31.8	34.3	11.6	4.2	1.1				100.7	11.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.4	3.4	2.0	.2						7.6	8.8
NNE	.5	1.2	2.2	1.6	.7	.1					6.3	10.3
NE	.5	.5	1.7	2.2	.1						5.1	9.8
ENE	.3	.3	1.0	.7	.3						2.6	9.6
E	.5	.4	1.4	.5	.1						3.0	8.2
ESE	.3	.7	.2	.7	.2						2.1	9.0
SF	.3	.5	.8	.2	.1	.1					2.1	8.4
SSE	.3	.5	1.3	1.6	.2	.1					4.1	10.0
S	.5	1.6	1.6	1.5	.4						5.7	9.0
SSW	.5	1.4	2.7	2.3	.9	.5					8.4	10.6
SW	.7	2.1	4.2	3.9	1.3		.1				12.3	10.4
WSW	.5	1.1	3.0	3.7	.9						9.2	11.0
W	.3	1.5	2.5	4.4	1.8	.3	.2				11.2	12.4
WNW	.3	1.0	1.4	3.9	.7	.9	.1				8.2	12.9
NW	.2	.7	1.8	1.6	.4	.3		.1			5.2	11.9
NNW	.2	1.1	1.2	.8		.2					3.5	8.8
VARIABLE			.9	.5	.4		.2				2.1	14.5
CALM	////////////////////										1.4	////
TOTALS	6.9	16.1	31.3	32.1	8.8	2.6	.7	.1			100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCOVBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.8	1.4	1.6	2.2	.1							7.1	7.6
NNE	.3	1.3	2.0	1.3	.5							5.3	9.5
NE	.6	.6	2.8	1.5								5.6	8.4
ENE	.9	.5	1.0	.3	.1							2.8	6.9
E	.1	.1	1.1	.5	.1							2.0	9.4
ESE	.1	.1	.6	.5								1.4	8.9
SE	.9	.3	1.3	1.3	.1							3.8	8.6
SSE	.4	.6	1.0	.9								2.9	8.3
S	2.8	2.7	2.4	.8								8.6	6.0
SSW	2.0	2.4	2.4	1.4	1.0	.1						9.4	8.1
SW	1.8	3.0	2.7	4.8	.8	.1						13.2	9.1
WSW	1.1	1.3	3.2	2.8	.3	.1						8.7	9.2
W	1.4	2.9	3.3	2.4	.4	.1						10.5	8.2
WNW	.3	1.8	2.5	1.9	.8	.1						7.3	10.1
NW	.3	.9	.8	.4	.5		.4					3.2	11.3
NNW	.8	.5	.3	.3	.3	.4						2.4	9.7
VARIABLE			.1	.1								.3	10.5
CALM	////////////////////											5.6	////
TOTALS	15.4	20.4	29.1	23.2	4.9	1.0	.4					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 790

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.5	1.8	1.2	1.8	.5	.1						7.9	7.7
NNE	.4	2.7	2.0	.7	.3							6.1	7.5
NE	.3	1.4	1.6	.4								3.7	7.3
ENE	.1	.4	.7	.3								1.5	8.0
E	.4	.7		.7								1.8	7.3
ESE	.1		.1									.3	5.0
SE		.3	1.6	.5	.1							2.6	9.9
SSE	.4	2.0	1.4	.4								4.2	6.5
S	2.0	2.9	2.5	1.2	.3	.1						9.0	7.0
SSW	2.6	3.5	3.0	1.2	.5	.1						11.2	7.0
SW	3.0	2.9	3.1	3.3	.5	.7						13.5	8.6
WSW	1.0	2.5	4.8	1.9	.1							10.2	8.5
W	1.4	4.1	3.0	2.7	.3							11.4	7.8
WNW	.1	1.8	.8	1.1	.4	.3	.1					4.6	10.4
NW	1.0	1.2	1.5	.4	.3							4.4	7.4
NNW	.1	.3	.7	.3	.3	.3	.1					2.0	13.5
VARIABLE													
CALM	////////////////////											5.7	////
TOTALS	15.4	28.3	28.1	16.9	3.7	1.6	.3					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 734

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	1.6	2.4	1.9	.6	.0					8.0	8.6
NNE	.4	1.6	1.7	1.0	.5	.1					5.4	9.2
NE	.4	.6	1.9	1.2	.1						4.1	8.9
ENE	.3	.4	1.0	.4	.1						2.3	8.1
E	.3	.3	1.1	.6	.0						2.4	8.5
ESE	.2	.3	.4	.5	.1						1.5	9.3
SE	.4	.5	.9	.8	.0	.0					2.6	8.5
SSE	.6	1.1	1.4	1.0	.1	.0					4.3	8.0
S	1.5	2.2	2.5	1.9	.2	.2					8.5	8.1
SSW	1.7	2.3	2.5	1.8	.6	.3	.0				9.3	8.6
SW	1.4	3.2	3.3	3.8	.7	.2	.1				12.7	9.2
WSW	.9	2.0	3.3	2.7	.7	.1	.0				9.7	9.6
W	.8	2.2	3.3	3.1	1.1	.4	.0				10.9	10.3
WNW	.3	1.1	1.7	1.8	.7	.4	.1				6.1	11.3
NW	.3	1.0	1.3	1.0	.4	.2	.1	.0			4.3	10.4
NNW	.5	.6	1.2	.8	.3	.2	.0				3.6	10.0
VARIABLE	.0	.1	.6	.6	.2	.1	.1	.0			1.7	13.6
CALM	////////////////////										2.6	////
TOTALS	11.8	21.1	30.5	25.0	6.4	2.2	.4	.0			100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 6345

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCOVBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	3.6	2.1	1.5							7.9	7.0
NNE	1.8	2.1	1.3	1.3	.3	.3					6.9	8.1
NE	.5	1.0	1.8	.8							4.1	8.5
ENE	.5	.5									1.0	4.0
E	.5	.3	1.0	.8							2.6	7.7
ESE	1.0	.3	.3								1.5	3.8
SE	1.3	1.3	1.0								3.6	4.9
SSE	2.1	.8	.5								3.3	3.8
S	3.6	2.1	1.5	.8							7.9	5.1
SSW	2.3	4.1	1.5	.8							8.7	5.5
SW	.5	1.8	3.1	1.0	.3						6.7	8.1
WSW	1.5	2.6	1.8	.8							6.7	6.0
W	1.8	3.6	4.9	2.3							12.6	7.3
WNW	1.3	2.1	1.3	1.0	.8						6.4	8.0
NW	1.8	3.3	.3	.8		.3					6.4	6.0
NNW	1.5	1.3	.5	1.8							5.1	7.6
VARIABLE												
CALM	////////////////////										8.5	////
TOTALS	22.8	30.5	22.8	13.6	1.3	.5					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 390

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	4.4	4.3	3.2	.5						14.2	7.6
NNE	.2	1.4	3.0	1.7	.6						6.9	9.7
NE	.2	.6	1.4								2.1	6.9
ENE	.2	.3	.8								1.2	6.9
E	.3	.6	.9	.2							2.0	7.2
ESE	.6	.8	.5								1.8	4.9
SE	.3	2.0	.6								2.9	5.5
SSE	2.3	1.1	.2								3.5	3.3
S	1.5	2.4	1.4	.6							5.9	6.0
SSW	2.9	2.3	1.4	.3							6.8	4.7
SW	1.1	2.6	1.1	.3	.2						5.2	5.7
WSW	1.4	2.4	2.0	1.5							7.3	7.2
W	.9	3.3	3.0	1.5							8.8	7.2
WNW	1.7	1.5	2.7	1.1	.5						7.5	7.4
NW	1.5	2.0	2.4	.9	.2	.2					7.2	7.1
NNW	.5	2.4	2.0	1.4							6.2	7.5
VARIABLE												
CALM	////////////////////										10.5	////
TOTALS	17.2	30.1	27.5	12.6	1.8	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 657

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	3.7	7.7	2.6	.4						15.4	8.4
NNE	1.2	1.5	3.3	2.6	.4	.4					9.5	9.3
NE		1.1	1.2	1.0							3.3	8.5
ENE	.7	.3	1.1	.3							2.3	6.6
E	.8	.4	.1	.1							1.5	4.6
ESE	.4	.5	.4	.3							1.6	6.2
SE	.7	1.1	1.5	.3							3.6	6.6
SSE	1.0	1.5	1.1	.3							3.8	5.8
S	2.3	2.2	1.6	.3							6.5	5.0
SSW	.4	2.1	2.7	.3							5.5	6.9
SW	.8	2.6	2.3	.8	.1						6.7	7.1
WSW	.8	2.7	2.6	.7							6.9	6.8
W	1.5	1.4	2.6	1.1	.3						6.9	7.5
WNW	.5	.4	2.3	2.3	.1						5.3	9.8
NW	.8	1.4	1.2	2.2							5.6	8.6
NNW	.7	1.4	3.3	2.2	.1						7.7	8.7
VARIABLE				.5							.5	14.8
CALM	////////////////////////////////////										6.9	////
TOTALS	13.7	24.3	35.3	17.9	1.5	.4					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 728

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.7	5.5	4.9	.6	.5					14.1	10.4
NNE	.9	1.8	3.0	5.1	.6	.1					11.6	10.4
NE	.4	.8	1.3	2.1	.3						4.7	10.1
ENE	.6	.4	1.3	.1							2.4	6.6
E	.6	1.0	.5	1.2	.1						3.5	8.0
ESE	1.2	.8	1.0	.4							3.3	5.8
SE	.5	.1	1.2	1.9							3.7	9.8
SSE	.1	1.0	1.8	.8	.4						4.1	9.5
S	1.5	2.3	1.3	1.0	.3						6.4	7.2
SSW	.5	.4	1.4	.5							2.8	7.9
SW	.8	1.2	2.4	1.8	.1						6.3	8.7
WSW	.9	1.4	.9	1.7							4.9	7.8
W	.9	1.3	3.7	1.9	.1	.3					8.2	9.1
WNW	.4	.9	1.8	2.4	.5	.1					6.2	10.7
NW	.3	.9	1.0	2.2	.4	.1					4.9	11.0
NNW	.4	1.2	1.2	2.7	.4						5.9	10.5
VARIABLE		.1	3.0	.9	.3	.1					4.4	10.6
CALM	////////////////////										2.7	////
TOTALS	10.9	17.2	32.2	31.6	4.1	1.3					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 779

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.8	2.5	4.5	4.5	.1	.4						12.9	9.7
NNE	.5	1.0	2.4	5.4	1.0	.4						10.7	11.7
NE	.1	1.3	1.5	2.4	.5							5.8	10.8
ENE	.3	.8	.5	.6								2.1	8.5
E	.6	.6	.8	.9	.4							3.3	9.1
ESE	.1	.9	.8	.4								2.1	7.5
SE	.5	.9	1.8	2.8	.1							6.0	10.0
SSE	1.0	.8	1.8	1.9								5.4	8.5
S	.9	1.1	2.4	1.6								6.0	8.0
SSW	.6	.5	.8	1.0								2.9	7.7
SW	1.0	.1	2.4	1.5	.1							5.1	8.9
WSW	.6	.9	1.8	1.1	.4							4.8	9.2
W	1.1	1.3	3.6	1.6	.6	.4						8.7	9.6
WNW	1.3	.6	1.5	2.6	.6							6.6	10.1
NW	.4	.4	1.1	2.3	.4							4.5	11.4
NNW	.3	.9	1.4	2.3	.4							5.1	10.5
VARIABLE		.4	4.9	1.5								6.4	9.2
CALM	////////////////////////////////////											1.3	////
TOTALS	10.0	14.8	33.8	34.4	4.6	1.1						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.8	1.6	3.8	2.5	.4	.4						10.5	9.0
NNE	.1	.7	5.5	6.2	.8	.3						13.5	11.6
NE	.8	1.4	2.1	3.4	.3	.3						8.3	10.0
ENE	.1	.3	.9	.5								1.8	9.0
E	.7	.9	.5	.9	.1							3.1	7.8
ESE	.4	1.0	1.2	.4								3.0	7.3
SE	.5	1.0	2.4	1.2								5.1	8.1
SSE	.3	.8	1.6	1.4	.1							4.2	9.6
S	.5	1.0	3.3	.7								5.5	7.9
SSW	1.2	.9	1.2	.8	.1							4.2	7.3
SW	.3	.4	2.4	1.2	.4	.1						4.7	10.6
WSW	.5	.9	2.6	.9	.4							5.4	8.9
W	.5	1.4	3.1	1.3	.4	.1						6.9	9.3
WNW	.8	.9	1.6	2.8	.5	.1						6.7	10.4
NW	.7	.9	.7	2.1	.5							4.8	10.4
NNW	.4	1.0	.9	1.3								3.7	8.4
VARIABLE		.5	2.8	2.6	.1							6.0	10.7
CALM	////////////////////											2.5	////
TOTALS	9.6	15.9	36.4	30.1	4.2	1.3						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 763

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	1.4	2.0	3.0	.3	.2					8.6	9.0
NNE	1.3	1.6	3.9	4.4	.2						11.3	9.6
NL	.6	2.7	3.4	2.3							9.1	8.3
ENE	.5	2.0	1.3	.3							4.1	6.5
E	1.6	2.0	.3	.3							4.2	4.6
ESE	.6	2.0	.9	.8							4.4	6.9
SE	1.6	1.3	1.7	.6							5.2	6.0
SSE	.9	1.3	.9	.3							3.4	5.7
S	.5	2.0	1.1	.3							3.9	6.4
SSW	.6	1.9	.5	1.3	.2						4.4	7.9
SW	1.4	2.3	3.0	.8	.2						7.7	7.1
WSW	.9	1.9	.9	.5	.2						4.4	7.0
W	1.4	3.1	2.3	.9							7.8	6.2
WNW	1.1	1.3	2.0	1.6		.3					6.3	8.4
NW	.6	.8	2.0	1.7	.2	.2					5.5	9.7
NNW	.5	.6	.9	.6							2.7	7.2
VARIABLE			.2	.5	.2						.9	11.8
CALM	////////////////////										6.6	////
TOTALS	15.8	28.1	27.5	20.2	1.3	.6					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 640

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCOYBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.1	2.3	1.9	2.3	.4						9.1	7.8
NNE	3.1	1.9	3.7	1.6	.4						10.7	7.0
NE	1.4	1.4	2.5	.8							6.0	7.1
ENE	.2	.6	.6								1.4	6.3
E	1.4	.6	1.4	.2							3.5	5.2
ESE	1.0	.8	.2	.2							2.1	4.6
SE	1.9	2.3	1.0								5.2	4.4
SSE	2.3	1.6	.4	.4							4.7	4.5
S	1.7	2.3	1.2	.8							6.0	5.8
SSW	1.7	2.1	1.0	1.2							6.0	5.9
SW	1.2	2.1	3.3	1.0	.2						7.8	7.2
WSW	1.9	1.9	1.9	.4	.2						6.4	6.3
W	1.9	5.4	3.1	.8							11.2	5.8
WNW	.4	1.6	1.6	1.4	.2	.4					5.4	9.3
NW	1.2	1.0	.8	1.0							3.9	7.3
NNW	1.9	.8	.4		.2						3.3	4.4
VARIABLE			.2								.2	10.0
CALM	////////////////////										7.2	////
TOTALS	25.4	28.7	25.0	11.8	1.6	.4					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.3	2.6	4.2	3.2	.4	.2		12.0	8.9
NNE	1.0	1.4	3.4	3.8	.6	.2		10.4	10.1
NE	.5	1.3	1.9	1.7	.2	.0		5.5	9.1
ENE	.4	.6	.9	.3				2.1	7.1
E	.8	.8	.6	.6	.1			3.0	6.9
ESE	.6	.9	.7	.3				2.6	6.3
SE	.8	1.2	1.4	1.0	.0			4.5	7.4
SSE	1.1	1.1	1.1	.7	.1			4.1	6.9
S	1.4	1.9	1.8	.8	.0			5.9	6.5
SSW	1.2	1.6	1.3	.7	.0			4.9	6.5
SW	.9	1.6	2.4	1.1	.2	.0		6.1	7.9
WSW	1.0	1.8	1.8	1.0	.2			5.7	7.5
W	1.2	2.4	3.2	1.4	.2	.1		8.6	7.8
WNW	.9	1.1	1.9	2.0	.4	.1		6.4	9.4
NW	.8	1.2	1.2	1.7	.2	.1		5.3	9.1
NNW	.7	1.2	1.4	1.6	.2			5.0	8.6
VARIABLE	.2	1.6	.9	.1	.0			2.7	10.2
CALM	////////////////////							5.3	////
TOTALS	14.6	22.7	30.9	22.9	2.8	.9		100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 5270

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: D35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.7	7.2	6.9	2.5							19.3	6.8
NNE	1.0	1.0	1.2	.7							4.0	6.5
NE		.2	.7								1.0	7.0
ENE		1.2									1.2	4.8
E	.2	1.5	1.5								3.2	5.8
ESE	1.2	.5									1.7	3.1
SE		1.0	1.5	.2							2.7	7.8
SSE	1.0	.5	1.0	.2							2.7	5.3
S	2.5	3.2	1.7								7.4	4.6
SSW	2.2	4.9	3.2	.5							10.9	5.8
SW	1.5	5.7	4.4	2.0							13.6	6.9
WSW	.2	1.7	2.5								4.4	6.2
W	1.7	1.7	2.5	.5							6.4	6.1
WNW	.5	2.7	1.2								4.4	5.9
NW	.2	1.5	1.0	.7							3.5	7.5
NNW	.7	3.0	.7	1.0							5.4	6.2
VARIABLE			.2	.2							.5	11.0
CALM	////////////////////										7.7	////
TOTALS	15.8	37.5	30.4	8.6							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 405

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: D35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.9	5.4	6.5	3.9								18.8	7.2
NNE	2.3	2.6	1.4	.8								7.0	5.5
NE	.5	1.1	.3									1.8	4.8
ENE	.6	.2	.3									1.1	4.3
E	.5	1.1	.9									2.4	5.3
ESE	.5	1.7	.2									2.3	4.3
SE	1.2	.9	1.2									3.3	5.4
SSE	.8	.3	1.4									2.4	6.1
S	3.0	2.6	2.3	.5								8.3	5.2
SSW	2.0	3.6	3.3	.8								9.7	6.3
SW	1.8	3.5	4.8	1.5	.2							11.8	7.2
WSW	1.4	2.6	1.1									5.0	4.8
W	1.2	1.8	2.7	.3								6.1	6.4
WNW	.6	1.1	1.7	.2								3.5	6.4
NW	.2	2.3	1.7	.3								4.4	6.9
NNW	1.2	1.2	1.2	1.1								4.7	6.6
VARIABLE													
CALM	////////////////////											7.6	////
TOTALS	20.4	31.8	30.9	9.2	.2							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 661

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	2.5	6.6	5.6	.1						16.5	8.9
NNE	1.0	3.0	2.2	1.9							8.1	7.3
NE	1.2	2.2	.6	.6							4.5	5.6
ENE	.1	1.0	.6	.1							1.8	6.2
E	.6	1.2	1.9								3.7	6.5
ESE	.4	.6	1.0	.3							2.2	6.8
SE	.8	.6	2.1								3.4	6.7
SSE	.6	.8	.8	.1							2.3	5.8
S	1.9	3.2	2.6	1.4							9.1	6.7
SSW	1.1	1.8	4.0	1.2	.1						8.3	7.7
SW	1.1	1.9	4.0	1.7	.1						8.8	8.0
WSW	.3	1.5	2.3	1.8							5.9	8.6
W	.4	1.8	2.1	1.4							5.6	8.0
WNW		1.1	1.2	1.0	.1						3.4	9.3
NW	.4	1.0	1.7	.7	.4						4.1	8.8
NNW	.4	1.1	2.3	2.1							5.9	8.7
VARIABLE			.6	1.1							1.7	11.8
CALM	////////////////////										4.5	////
TOTALS	12.0	25.2	36.5	20.9	1.0						100.1	7.5

TOTAL NUMBER OF OBSERVATIONS: 727

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.8	2.7	5.7	6.2	.6							15.9	9.7
NNE	1.0	.5	3.2	2.8								7.6	9.1
NE	.3	1.2	1.4	1.0								3.9	8.4
ENE	.8	1.2	.8	.8								3.5	6.7
E	.4	.8	2.2	.6								4.0	7.8
ESE	.6		.5	1.3	.1							2.6	9.4
SE	.5	.3	1.2	.5	.1							2.6	8.4
SSE	.4	1.5	1.2	.8								3.9	7.6
S	1.3	2.3	1.8	1.4								6.8	6.8
SSW	1.3	1.8	2.8	2.6	.5							9.0	9.0
SW	.9		3.7	3.0								7.6	9.8
WSW	.4	.8	1.9	2.6								5.7	9.5
W	.4	1.2	.9	2.1	.3							4.8	9.6
WNW	.5	.5	1.4	1.4	.5							4.4	10.0
NW	.4	.5	1.4	1.3								3.6	8.5
NNW	.3	.3	2.6	1.0								4.1	9.0
VARIABLE		.3	3.2	3.9	.4							7.7	11.7
CALM	////////////////////////////////////											2.6	////
TOTALS	10.2	15.7	35.9	33.2	2.6							100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 778

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	2.1	5.2	3.7	.9						12.4	9.8
NNE	1.1	1.9	2.6	3.3	.4						9.3	9.2
NE	.5	1.1	1.6	.9							4.1	7.9
ENE	.1	.5	.7	.4							1.7	7.6
E	.2	1.2	1.2	1.0							3.7	8.1
ESE	.7	1.1	.9	2.0	.4	.1					5.2	9.9
SE	.5	1.0	.2	1.6							3.3	8.4
SSE	.1	1.5	1.9	.7							4.2	7.9
S	1.1	2.9	2.0	1.1	.1						7.2	7.2
SSW	.6	1.5	2.6	2.0	.6	.1					7.4	10.0
SW	.5	.6	2.4	2.9	.2	.2					6.8	10.5
WSW	.2	1.1	2.1	3.0	.2	.1					6.8	10.1
W	.5	.9	2.1	1.5	.2						5.2	9.4
WNW	.1	.9	1.6	1.7		.1					4.5	10.0
NW	.1	.7	.5	1.6	.1	.1					3.2	10.4
NNW	.4	.6	1.5	1.4							3.8	8.7
VARIABLE	.4	.5	3.7	4.2	.2						9.1	10.7
CALM	////////////////////////////////////										1.9	////
TOTALS	7.8	20.1	32.9	33.0	3.5	.9					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 806

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	2.3	4.3	4.0	.5	.1					12.3	9.5
NNE	.9	1.6	2.5	3.1	.1						8.2	9.3
NE	.5	1.7	2.0	1.3	.1						5.6	8.4
ENE	.1	.4	1.2	.7	.1						2.5	9.5
E	.8	1.2	1.2	1.2							4.3	7.4
ESE	.5	.8	2.0	1.6	.1						5.0	8.7
SE	.3	.8	1.2	.9	.1						3.3	8.6
SSE	1.0	.7	2.2	.7							4.6	7.5
S	1.6	2.2	3.4	1.2	.1						8.5	7.3
SSW	1.0	1.4	2.0	1.4	.4	.1					6.4	8.3
SW	.8	1.2	3.0	3.4	.1						8.5	9.6
WSW	.5	.8	2.5	2.5	.1						6.4	9.7
W	.7	.9	2.9	2.3	.3						7.0	9.6
WNW	.4	.4	.8	1.2	.1						2.9	9.4
NW	.4	.8	1.3	1.4	.1	.1					4.2	9.8
NNW	.4	1.7	1.6	.5							4.2	6.9
VARIABLE	.1	.1	2.0	2.2	.1						4.6	11.4
CALM	////////////////////////////////////										1.9	////
TOTALS	11.0	18.9	35.7	29.6	2.6	.4					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 767

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.6	2.8	3.6	3.4	.6							12.1	8.5
NNE	.6	2.2	4.4	3.0								10.2	8.9
NE	.5	3.4	1.4	.6								5.9	6.2
ENE	.2	1.3	1.1	.3								2.8	7.1
E	1.6	2.2	2.2	.2								6.1	5.5
ESE	1.1	1.1	2.0	.9								5.2	7.1
SE	.6	.8	1.3	1.4								4.1	8.2
SSE	.9	1.3	1.1									3.3	5.3
S	1.6	3.3	2.5	.3								7.7	5.9
SSW	1.1	2.8	2.3	1.1	.2							7.5	7.2
SW	1.1	1.6	3.0	1.7								7.4	7.7
WSW	1.1	1.9	1.7	.6								5.3	6.6
W	.8	1.4	2.0	1.3								5.5	7.7
WNW	.2	.8	1.3	.2	.2							2.5	8.3
NW	.5	.8	.6	.6								2.5	7.4
NNW	.5	1.1	1.4	.2								3.1	6.6
VARIABLE			.2	.6								.8	12.4
CALM	////////////////////											8.1	////
TOTALS	13.8	28.6	32.1	16.4	.9							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 639

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.1	3.6	5.4	1.5							12.7	6.9
NNE	1.3	3.5	3.1	2.1							10.0	7.3
NE	1.2	2.3	.2								3.6	4.3
ENE	.6	1.3	.6								2.5	4.9
E	1.9	1.2	1.5								4.6	4.7
ESE	.4	1.7	1.0								3.1	5.8
SE	.8	2.7	1.9	.2							5.6	5.7
SSE	.8	1.5	1.2	.4							3.8	6.2
S	3.6	4.4	1.7	.2							10.0	4.8
SSW	2.1	2.7	2.7	1.0							8.4	6.2
SW	1.5	2.1	2.3	1.2							7.1	6.6
WSW	.8	1.9	1.2								3.9	5.4
W	.8	4.0	.6								5.4	4.6
WNW	1.0	1.0	1.0								2.9	5.2
NW	.4	1.5	.8	.2							2.9	5.9
NNW	.8	.6	.6	.2							2.1	5.6
VARIABLE			.2	.2							.4	12.5
CALM	////////////////////////////////////										11.1	////
TOTALS	20.0	36.1	25.7	7.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 521

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 7A-83,85-87
MONTH: MAY HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	3.3	5.4	4.1	.4	.0					14.8	8.5
NNE	1.2	2.0	2.6	2.4	.1						8.2	8.2
NE	.6	1.7	1.1	.6	.0						4.0	6.9
ENE	.3	.8	.7	.3	.0						2.2	6.9
E	.7	1.3	1.6	.4							4.0	6.5
ESE	.7	.9	1.0	.9	.1	.0					3.5	7.8
SE	.6	.9	1.3	.7	.0						3.5	7.4
SSE	.7	1.0	1.4	.4							3.5	6.8
S	2.0	2.9	2.3	.8	.0						8.1	6.2
SSW	1.3	2.4	2.8	1.4	.3	.0					8.3	7.7
SW	1.1	1.8	3.4	2.2	.1	.0					8.7	8.4
WSW	.6	1.5	1.9	1.5	.1	.0					5.6	8.2
W	.7	1.6	2.0	1.3	.1						5.7	7.9
WNW	.4	.9	1.3	.8	.1	.0					3.6	8.5
NW	.3	1.1	1.1	.9	.1	.0					3.6	8.4
NNW	.5	1.1	1.6	1.0							4.2	7.6
VARIABLE	.1	.1	1.5	1.8	.1						3.6	11.3
CALM	////////////////////////////////////										5.1	////
TOTALS	13.3	25.4	33.0	21.5	1.5	.2					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 5304

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: QJ5623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.3	5.4	3.5	.2	.2							12.7	5.4
NNE	1.0	3.5	2.3	.2								7.1	5.7
NE	1.5	1.5	1.5	.4								4.9	6.2
ENE		.4	.8	.2								1.5	8.0
E	1.7	.2	.6									2.5	4.0
ESE	1.2	1.0	.2									2.5	3.4
SE	1.2	.2										1.5	2.3
SSE	.4	1.5	.2	.2								2.3	5.1
S	1.9	.8	.6	.8								4.1	5.6
SSW	3.1	4.8	2.3	.2								10.4	4.9
SW	2.3	3.9	1.7	.6								8.5	5.9
WSW	2.5	4.8	1.0									8.3	4.5
W	4.4	5.2	2.9	.4								12.9	5.0
WNW	.8	2.3	1.7	.2								5.0	6.0
NW	1.5	2.1	.4	.2								4.1	4.9
NNW	.2	1.0	1.0	.4								2.7	7.7
VARIABLE			.2	.4								.6	12.0
CALM	////////////////////											8.7	////
TOTALS	27.0	38.6	21.0	4.6	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 482

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 74-87
MONTH: JUN HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.3	5.8	2.7	1.3	.1							13.2	5.9
NNE	1.3	2.3	1.6	.3								5.4	5.6
NE	.4	1.1	.7	.1								2.4	5.8
ENE	.1	1.1	.4									1.7	5.6
E	1.0	1.0	1.1	.3								3.4	5.9
ESE	.7	.4	.3									1.4	4.6
SE	.6	.4	.7	.1								1.8	6.2
SSE	1.0	.7	.1									1.9	3.8
S	2.8	1.4	1.4	.4								6.1	5.0
SSW	4.5	3.8	.7	.7								9.8	4.3
SW	3.1	5.0	2.6	.1								10.9	5.2
WSW	3.1	5.0	3.3									11.4	5.1
W	1.8	4.8	3.8	.3								10.8	5.8
WNW	.9	2.4	1.6									4.8	5.7
NW	.3	2.1	1.4	.3								4.1	6.6
NNW	.4	1.0	.9	.1								2.4	6.0
VARIABLE													
CALM	////////////////////											8.5	////
TOTALS	25.4	38.5	23.3	4.1	.1							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 704

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	3.3	5.1	.8							10.7	6.8
NNE	.7	2.9	3.2	.5							7.4	6.9
NE	.7	1.9	1.1	.3							3.9	6.1
ENE	.4	1.1	.4	.1							2.7	5.5
E	1.3	1.1	1.5	.1							4.0	5.9
ESE	.3	1.3	.5	.1							2.3	5.7
SE	.3	.4	.4								1.1	5.6
SSE	.3	1.2	.4								1.9	5.1
S	2.4	2.8	2.5	.3							8.0	5.4
SSW	2.0	2.5	1.5	1.3							7.4	6.2
SW	1.7	3.7	4.4	.7	.1						10.7	6.6
WSW	.4	4.1	2.3	1.6							8.4	7.2
W	1.5	3.3	5.9	1.1	.1						11.9	7.3
WNW	.4	.9	3.2	1.3							5.9	8.7
NW	.3	1.2	1.3	1.7							4.6	9.1
NNW	.7	1.7	2.4	.7							5.5	7.3
VARIABLE			.9	.5							1.5	10.5
CALM	////////////////////////////////////										2.9	////
TOTALS	14.7	33.7	37.1	11.2	.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 747

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.8	3.9	1.1							9.2	7.0
NNE	1.3	1.9	3.1	.6	.1						7.0	6.9
NE	.6	.8	2.0	.8							4.2	7.8
ENE	.6	.5	1.0	.5							2.7	6.9
E	.6	1.1	1.1	.9							3.8	7.0
ESE	.3	.8	1.0								2.0	6.0
SE	.4	.6	.5	.3							1.8	6.4
SSE		1.1	.4								1.5	5.6
S	.9	2.8	1.4	.8							5.9	6.2
SSW	1.0	1.8	1.5	2.7	.1						7.1	8.8
SW	.5	2.7	5.6	1.4							10.2	8.2
WSW	.3	1.7	3.7	2.2							7.8	8.9
W	2.2	2.2	4.5	3.1	.3						12.1	8.1
WNW	.3	.6	2.4	2.4	.6						6.4	10.8
NW	.3	1.8	2.4	2.0							6.5	8.7
NNW	.4	1.4	2.5	1.0							5.3	7.7
VARIABLE		.1	2.9	1.0	.1						4.2	10.0
CALM	////////////////////////////////////										2.4	////
TOTALS	10.8	24.7	40.1	20.7	1.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 786

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	2.0	4.0	1.2							8.7	7.3
NNE	.7	1.4	3.5	1.6							7.2	8.0
NE	.2	.7	.9	.6							2.5	7.9
ENE	.1	.7	1.2	.7							2.9	8.8
E	.6	1.0	1.2	.5							3.4	6.7
ESE	.2	.5	.6	.1							1.5	6.8
SE	1.0	1.2	.7	.2							3.2	5.6
SSE	.9	.9	.6	.2							2.6	5.5
S	1.1	.9	1.7	1.5	.1						5.3	8.0
SSW	1.2	2.0	2.6	1.9	.2						8.7	8.1
SW	.4	2.4	3.2	1.9	.2						8.1	8.8
WSW	.6	2.0	5.0	2.1	.1						9.8	8.4
W	.7	2.5	6.1	1.9	.2						11.4	8.4
WNW	.4	1.0	2.4	2.5	.2						6.5	9.9
NW	.4	.6	2.0	1.7	.2						5.0	10.0
NNW	.7	1.5	2.4	1.0							5.6	7.2
VARIABLE		.1	4.2	2.1	.1	.1					6.7	10.7
CALM	////////////////////										1.5	////
TOTALS	10.9	21.4	42.4	21.9	1.6	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 804

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: D35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	2.2	3.1	1.4	.1						8.2	7.3
NNE	1.7	1.9	3.3	2.6	.1						9.6	8.2
NE	.6	1.3	1.7	.6							4.2	6.8
ENE	.4	.9	1.3	.3							2.8	6.5
E	.8	.5	1.7	1.0							4.0	7.8
ESE	.5	.5	.6	.8							2.4	8.1
SE	.5	.3	.8	.3							1.8	6.9
SSE		.9	.8	.3	.1						2.1	8.0
S	.9	1.0	.9	.6	.1						3.6	7.1
SSW	1.3	1.3	2.7	1.4	.3						6.9	8.5
SW	.8	2.4	4.0	1.4							8.6	7.7
WSW	1.0	2.4	4.1	.9							8.5	7.4
W	.8	2.9	4.7	4.0	.3						12.7	9.0
WNW	.5	2.0	3.6	2.7	.3	.1					9.2	9.2
NW	.5	.9	2.2	1.2							4.7	8.1
NNW	.8	1.3	1.2	.8	.3						4.2	7.8
VARIABLE			2.4	2.0							4.5	10.8
CALM	////////////////////										2.0	////
TOTALS	12.4	22.8	38.9	22.2	1.5	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 781

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.9	2.0	2.0	1.4	.1						8.6	6.7
NNE	1.0	2.8	3.0	2.5							9.3	7.9
NE	1.2	1.9	1.7	.6							5.4	6.4
ENE	1.0	1.7	1.6								4.3	5.6
E	1.0	2.5	2.2	.4							6.1	6.0
ESE	.9	1.4	.1	.1							2.6	4.9
SE	.6	1.4	.9	.3							3.2	6.0
SSE	.4	.1	.6								1.2	5.6
S	.7	1.6	1.3	.4							4.1	6.5
SSW	1.0	2.0	1.6	1.0							5.7	7.1
SW	1.4	4.1	2.3	.4							8.3	6.2
WSW	.9	3.6	2.9	.4							7.8	6.5
W	1.9	5.2	3.6	.9							11.6	6.2
WNW	.7	3.5	2.8	1.9							8.8	7.5
NW	.4	1.9	1.9	.1							4.3	6.3
NNW	.3	.3	1.3	.1							2.0	7.6
VARIABLE			1.3	.9							2.2	9.7
CALM	////////////////////										4.6	////
TOTALS	16.4	36.1	31.2	11.6	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 690

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.2	3.8	2.4	.9								9.2	5.9
NNE	1.9	2.6	2.2	.3								7.0	5.6
NE	.5	1.9	.7	1.2								4.3	7.3
ENE	.5	2.0	1.0									3.6	5.7
E	2.7	1.5	.7	.3								5.3	4.2
ESE	1.0	1.5	.2									2.7	4.2
SE	.5	.9	.2	.2								1.7	5.0
SSE	.9	1.2	.7	.5								3.2	6.4
S	2.2	2.4	.9	.3								5.8	4.9
SSW	1.9	3.6	1.9	.5	.2							8.0	6.1
SW	2.0	3.9	2.6	.2								8.7	5.5
WSW	2.7	2.7	1.4	.3								7.2	5.0
W	3.6	5.5	2.6	.3								11.9	5.2
WNW	1.5	2.6	1.9	.3								6.3	5.6
NW	1.5	2.4	.7									4.6	4.4
NNW	.5		1.0	.2								1.7	6.6
VARIABLE			.5	.2								.7	10.3
CALM	////////////////////											8.7	////
TOTALS	26.3	38.4	21.3	5.8	.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 586

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.1	3.3	3.4	1.1	.1							9.9	6.5
NNE	1.2	2.3	2.8	1.1	.0							7.5	7.1
NE	.7	1.3	1.3	.6								3.9	6.8
ENE	.4	1.1	1.0	.3								2.7	6.5
E	1.1	1.1	1.3	.5								4.1	6.1
ESE	.6	.9	.5	.2								2.2	5.6
SE	.6	.7	.6	.2								2.0	5.7
SSE	.5	.9	.5	.1	.0							2.0	5.7
S	1.6	1.7	1.4	.7	.0							5.4	6.1
SSW	1.9	2.6	1.8	1.3	.1							7.9	6.7
SW	1.5	3.4	3.4	.9	.1							9.3	6.8
WSW	1.3	3.2	3.1	1.0	.0							8.7	6.8
W	1.9	3.8	4.4	1.6	.1							11.9	7.1
WNW	.6	1.8	2.5	1.5	.2	.0						6.7	8.3
NW	.6	1.6	1.6	1.0	.0							4.9	7.6
NNW	.5	1.1	1.6	.6	.0							3.9	7.3
VARIABLE		.0	1.7	1.0	.0	.7						2.9	10.5
CALM	////////////////////											4.5	////
TOTALS	17.1	30.9	33.0	13.6	.7	.0						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 5580

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.8	2.4	1.4	.7							7.3	5.2
NNE	2.1	1.9	1.2	.3							5.6	5.0
NE	1.2	1.0	.2	.2							2.6	3.9
ENE	.5	.5	.2								1.2	4.0
E	.5	.7	.3								1.6	4.6
ESE	1.0	.3	.2								1.6	3.4
SE	2.3	.7									3.0	2.6
SSE	1.6	.7	.3								2.6	3.5
S	2.8	3.1	.3								6.3	3.9
SSW	1.6	4.5	1.9	.3							8.3	5.4
SW	3.5	3.0	1.6	.3							8.3	4.5
WSW	3.3	4.2	1.6	.2							9.2	4.6
W	3.5	4.2	3.8	.7							12.2	5.6
WNW	1.9	3.0	1.0	.5							6.4	5.4
NW	1.7	1.9	1.2	.2							5.0	5.1
NNW	.3	1.0	.7	.5	.2						2.8	7.8
VARIABLE			.5								.5	10.0
CALM	////////////////////										15.5	////
TOTALS	30.6	33.2	16.5	4.0	.2						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 575

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.3	3.9	2.4	1.4							10.9	5.8
NNE	2.1	1.0	1.1	.3							4.5	4.9
NE	1.1	.5	.1	.5							2.3	5.7
ENE	.8	.4	.1								1.3	3.4
E	1.1	.5									1.6	2.8
ESE	.4		.4								.8	5.7
SE	.5	.1	.1								.8	3.2
SSE	.3	.9	.1								1.3	4.6
S	2.6	2.0	.6	.1							5.4	4.1
SSW	3.1	4.0	1.6								8.8	4.4
SW	3.0	5.3	1.8								10.0	4.7
WSW	3.0	3.5	1.3	.3							8.0	4.7
W	3.1	5.5	3.9	.4							12.9	5.3
WNW	1.5	4.0	2.1	.5							8.2	5.8
NW	.9	1.9	1.8	.9							5.4	6.8
NNW	1.0	1.3	.8	.4	.3						3.6	6.6
VARIABLE			.6	.1							.8	10.3
CALM	////////////////////////////////////										13.6	////
TOTALS	27.9	34.8	18.8	4.8	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(IST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.1	2.3	3.9	1.3							9.6	7.0
NNE	.6	3.2	2.0	.8							6.6	6.7
NE	.6	1.4	.7	.2							2.9	6.0
ENE	.1	.8	.2	.1							1.3	6.2
E	1.1	1.1	.5								2.6	4.1
ESE	.8	.5	.1	.2							1.6	4.8
SE	.6	.5	.5								1.5	5.3
SSE	.5	.4	.1	.1							1.1	5.0
S	1.2	2.0	.7	.2							4.1	5.1
SSW	1.9	3.4	2.5								7.7	5.3
SW	1.3	2.9	3.5	.8							8.6	6.7
WSW	1.5	2.9	3.5	.5							8.5	6.3
W	2.0	5.5	5.6	1.1							14.2	6.4
WNW	.2	2.1	4.0	1.5	.1						8.0	8.3
NW	1.2	1.8	3.1	1.1							7.2	7.0
NNW	.8	1.8	1.8	1.1	.2						5.6	7.8
VARIABLE		.1	.6	.7							1.4	9.8
CALM	////////////////////										7.5	////
TOTALS	16.4	32.6	33.2	9.7	.4						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 852

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	1.3	3.2	2.1	.1						8.0	8.4
NNE	.9	1.5	2.6	1.6	.1						6.6	8.0
NE	.8	.9	1.1	.8							3.6	7.0
ENE	.3	.8	.2	.4							1.8	7.3
E	2.4	.9	.3	.2							3.8	3.9
ESE	.4	.7	.6	.6							2.2	7.2
SE	.9	.6	.2								1.7	4.1
SSE	.6	.4	.7	.1							1.8	6.0
S	1.6	.7	1.0	.2							3.5	5.5
SSW	.6	2.0	1.9	.6							5.0	6.6
SW	1.1	1.7	3.5	1.2							7.5	7.5
WSW	.2	1.9	4.5	1.1	.1						7.8	8.2
W	1.0	2.7	6.5	3.1							13.3	8.2
WNW	.9	2.4	3.4	2.6	.1						9.3	8.5
NW	.2	2.2	2.6	1.1	.2						6.4	8.3
NNW	1.0	1.6	2.7	1.8	.3						7.4	8.3
VARIABLE	.1	.2	3.2	2.6							6.2	9.7
CALM	////////////////////										4.1	////
TOTALS	14.1	22.4	38.2	20.2	1.0						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	1.3	2.7	2.2	.3							7.5	9.0
NNE	.7	1.9	1.3	1.2	.1							5.1	7.6
NE	1.2	1.3	.9	.7								4.0	6.2
ENE	.7	1.3	.8	.4								3.2	6.4
E	1.0	1.2	.4	1.1	.1							3.8	7.3
ESE	.7	.7	.1	.5								2.0	6.6
SE	.4	.5	.7	.1								1.7	6.3
SSE	.5	.9	.7									2.1	5.4
S	1.5	1.2	1.2	.2								4.1	5.4
SSW		1.3	2.1	.9								4.3	8.3
SW	.9	1.4	2.5	1.2								6.0	8.0
WSW	.4	1.4	2.9	1.6	.3							6.8	8.8
W	1.0	2.3	5.6	3.4	.1							12.3	8.6
WNW	1.2	2.1	4.3	3.9								11.5	8.9
NW	.9	.5	2.1	2.0	.1							5.6	9.2
NNW	.4	1.5	1.6	1.9	.2							5.7	8.4
VARIABLE		.7	6.5	3.9	.2							11.3	9.8
CALM	////////////////////											3.1	////
TOTALS	12.4	21.5	36.3	25.2	1.5							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	1.7	2.4	2.5	.4							8.0	8.6
NNE	.6	1.2	2.2	.7	.2							4.9	7.7
NE	1.1	1.6	2.2	.8								5.7	6.7
ENE	.4	1.3	.9	.8								3.5	7.6
E	.8	.8	1.2	.9	.1							3.8	7.6
ESE	.2	.2	.6	.6								1.6	9.0
SE		.7	.7	.2								1.6	7.4
SSE	.7	.6	.1									1.3	3.9
S	1.2	1.5	1.3	.1								4.1	5.2
SSW	.6	1.5	2.5	.3								4.8	7.3
SW	.7	1.9	1.7	1.3								5.6	7.4
WSW	.8	1.5	2.9	1.1								6.3	7.8
W	1.2	3.3	6.7	2.5								13.7	8.1
WNW	.4	2.0	4.8	2.9	.2							10.4	9.0
NW	.8	1.8	3.7	3.3	.1							9.6	8.7
NNW	.4	.9	1.7	2.2	.1							5.4	9.6
VARIABLE		.2	3.6	2.8	.1							6.7	10.2
CALM	////////////////////											2.9	////
TOTALS	11.0	22.5	39.2	23.0	1.3							100.7	7.9

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS: 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.4	1.8	2.4	1.4							8.1	6.4
NNE	.8	2.2	1.8	1.4	.3						6.4	7.9
NE	.9	2.1	2.2	.9							6.1	6.9
ENE	.6	1.2	1.3	.5							3.6	7.0
E	.8	2.2	1.4	.3							4.6	5.9
ESE	.9	.6	1.5	.1							3.2	5.9
SE	.9	1.2	.4	.3							2.7	5.2
SSE	.9	.8									1.7	3.6
S	1.2	1.3	.6								3.1	4.5
SSW	1.8	1.4	2.3	.4							5.9	5.7
SW	.5	1.4	1.8	.5							4.3	7.1
WSW	2.2	1.8	3.0								7.0	5.7
W	2.4	4.0	3.9	.3							10.6	5.9
WNW	1.3	3.0	3.7	.6							8.6	6.7
NW	1.3	3.0	3.6	.9							9.8	7.1
NNW	1.3	2.4	2.6	1.2	.1						7.6	7.3
VARIABLE			.9	.9							1.9	10.6
CALM	////////////////////										5.9	////
TOTALS	20.2	30.3	33.5	9.7	.4						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 776

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.1	2.1	2.1	.9							8.1	5.7
NNE	.9	1.5	2.1	.4							4.9	7.1
NE	1.5	1.2	.7								3.4	4.7
ENE	.6	.7	1.0	.4							2.8	6.6
E	1.3	2.5	.4								4.3	4.3
ESE	1.2	1.2	.1								2.5	3.5
SE	1.8	1.6	.7								4.1	4.4
SSE	1.2	1.5	.3								3.0	4.2
S	2.7	1.2	.7								4.6	3.9
SSW	2.7	2.1	1.2	.1							6.1	4.7
SW	1.3	3.6	2.7								7.6	5.5
WSW	2.1	2.8	1.2	.1							6.2	4.7
W	3.3	4.9	2.4	.1							10.7	4.8
WNW	1.0	3.1	2.7	.3							7.1	6.2
NW	1.5	3.0	1.2								5.7	4.2
NNW	1.9	3.0	.9	.9							6.7	5.1
VARIABLE			.4	.1								
CALM	////////////////////////////////////										2.1	
TOTALS	28.0	35.9	20.9	3.6								

TOTAL NUMBER OF OBSERVATIONS: 675

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RAF ALCONBURY UNITED KINGDOM REVISED UNIFORM SUMMARY OF 2/3

SURFACE WEATHER O. (U) AIR FORCE ENVIRONMENTAL

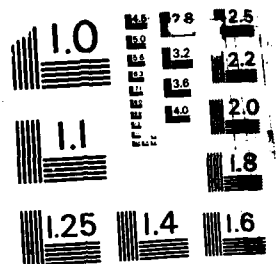
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	2.1	2.6	1.6	.1						8.5	7.1
NNE	1.0	1.8	1.8	.9	.1						5.6	7.0
NE	1.0	1.3	1.1	.5							3.9	6.2
ENE	.5	.9	.6	.4							2.4	6.5
E	1.1	1.2	.6	.3	.0						3.3	5.4
ESE	.7	.5	.5	.3							1.9	5.9
SE	.8	.7	.4	.1							2.0	4.8
SSE	.7	.7	.3	.0							1.9	4.6
S	1.8	1.6	.9	.1							4.3	4.7
SSW	1.4	2.4	2.0	.3							6.2	5.8
SW	1.4	2.6	2.4	.7							7.2	6.4
WSW	1.6	2.4	2.7	.7	.1						7.4	6.5
W	2.1	4.0	5.0	1.6	.0						12.6	6.8
WNW	1.0	2.7	3.4	1.8	.1						8.9	7.7
NW	1.0	2.0	2.5	1.3	.1						6.9	7.4
NNW	.9	1.7	1.6	1.3	.2						5.7	7.8
VARIABLE	.0	.2	2.3	1.6	.0						4.0	9.9
CALM	////////////////////										7.5	////
TOTALS	19.2	28.6	30.6	13.5	.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 6377

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.9	4.0	2.7	.7								11.2	5.4
NNE	1.5	2.2	.7	.3								4.7	4.9
NE	1.3	.2		.3								1.8	4.5
ENE	.7	.3	.2									1.2	4.3
E	.7	.7	.2	.2								1.7	4.6
ESE	.8	.3										1.2	2.7
SE	.8	.8	.3	.2								2.2	4.7
SSE	.5	.7		.3								1.5	5.3
S	3.7	3.7	.5	.7								8.6	4.7
SSW	4.2	2.9	2.7									9.7	4.4
SW	2.2	4.4	3.4		.2							10.1	5.5
WSW	2.3	6.2	2.5									11.1	5.1
W	4.7	3.4	3.0									11.1	4.8
WNW	.7	1.8	1.5	.5	.2							4.7	7.2
NW	.8	.5	.7	.2								2.2	5.1
NNW	1.2	1.2	.3	.2								2.9	4.6
VARIABLE			.2	.2								.3	11.0
CALM	////////////////////											13.9	////
TOTALS	30.0	33.2	18.8	3.7	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 596

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 76-87
MONTH: AUG HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.7	4.7	2.8	.2							11.5	5.1
NNE	1.6	1.1	.5	.4							3.6	5.0
NE	1.0	.5									1.5	3.2
ENE	.4	.6	.2	.1							1.4	5.5
E	.2	.4	.5								1.1	6.0
ESE	.2	.5	.1								.9	4.3
SE	.4	.4	.1	.1							1.0	5.3
SSE	1.2	.9	.4								2.5	4.0
S	1.7	4.1	1.1	.9							7.8	5.5
SSW	4.0	5.4	1.6	.1	.2						11.4	4.8
SW	2.3	5.9	3.5	.2	.1						12.1	5.5
WSW	2.5	4.0	2.0	.2							8.6	5.1
W	3.2	4.8	2.7	.6							11.4	5.2
WNW	1.1	2.7	2.0	.1	.1						6.0	6.0
NW	1.2	.5	.9	.1							2.7	5.4
NNW	.4	.7	1.5	.1							2.7	6.9
VARIABLE			.1	.4							.5	13.3
CALM	////////////////////////////////////										13.5	////
TOTALS	25.2	37.2	20.0	3.7	.5						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	3.7	3.3	1.2								10.5	6.3
NNE	1.4	2.0	1.3	.7								5.3	6.0
NE	.7	.9	.1									1.7	3.9
ENE	.3	.7	.5									1.5	5.5
E	.3	1.3	.2									1.8	4.9
ESE	.2	.5	.1									.8	3.9
SE	.5	.3	.3	.1								1.3	6.0
SSE	.6	1.0	.9	.1								2.7	5.7
S	1.4	3.2	1.4	.9								6.9	6.0
SSW	1.7	4.6	4.4	.8	.3							11.9	6.9
SW	1.6	4.0	3.9	.7								10.3	6.4
WSW	1.5	2.2	3.3	.9								8.0	6.9
W	3.2	4.7	4.0	1.6								13.6	6.3
WNW	1.2	1.6	3.0	.6								6.3	6.8
NW	.8	1.3	1.4	.6								4.2	6.5
NNW	.8	1.2	1.7	.7								4.4	7.1
VARIABLE			1.0	.6	.1							1.7	11.6
CALM	////////////////////											7.3	////
TOTALS	18.6	33.2	31.0	9.5	.5							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 867

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	3.0	3.1	1.2							8.8	6.9
NNE	1.2	1.5	1.3	.7							4.7	6.5
NE	.7	1.1	1.5	.2							3.5	6.3
ENE	.2	1.5	.4								2.2	5.4
E	.5	1.3	1.3								3.2	6.1
ESE	.5	.3	.7								1.5	5.7
SE	.5	.4	.4								1.4	4.9
SSE	1.0	.4	1.0	.1							2.5	5.7
S	1.0	1.6	2.4	1.2							6.3	7.3
SSW	.7	1.8	3.2	1.4	.2	.2					7.5	8.8
SW	.4	2.1	3.1	3.1		.1	.1				8.9	9.3
WSW	.8	2.4	3.3	1.5		.1					8.1	8.0
W	1.0	2.5	4.7	4.4	.4						13.1	9.4
WNW	1.1	2.0	3.4	2.1							8.6	8.2
NW	.4	1.4	2.3	1.4							5.6	8.4
NNW	.7	.8	3.4	1.2							6.0	8.1
VARIABLE		.1	2.9	1.4	.5						4.9	11.3
CALM	////////////////////										3.1	////
TOTALS	12.3	24.4	38.5	20.0	1.2	.4	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	1.7	4.0	1.1	.1						7.4	8.0
NNE	1.1	1.7	2.0	.6							5.5	7.0
NE	.3	1.1	1.0	.2							2.6	6.7
ENE	.6	.5	.4	.2							1.8	5.6
E	1.0	1.5	1.0	.1							3.5	5.5
ESE	.2	.6	.5	.3							1.7	7.3
SE	.4	.5	.4	.2							1.6	5.9
SSE	.5	.9	.8	.2	.1						2.5	6.5
S	1.3	2.0	2.7	1.1	.2						7.3	7.0
SSW	.5	1.2	2.6	2.5	.1	.1					7.0	9.4
SW	.9	1.0	4.2	2.5		.2					8.7	9.2
WSW	.4	1.3	3.1	2.4	.3						7.5	9.6
W	1.3	3.7	6.5	5.5	.4						17.3	9.1
WNW	.4	1.4	2.9	2.5	.1						7.3	9.2
NW	.8	.5	1.9	1.3	.1						4.6	8.5
NNW	.2	2.2	2.9	.8	.1						6.1	7.6
VARIABLE		.2	3.5	1.8	.5						6.1	10.8
CALM	////////////////////										1.3	////
TOTALS	10.5	22.0	40.4	23.2	2.2	.3					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	2.8	3.3	.8	.3	.1					8.3	7.5
NNE	.8	1.5	2.5	1.5							6.4	7.9
NE	1.0	1.1	2.0	.4							4.5	6.6
ENE	.7	.4	1.5	.2							2.9	7.0
E	.1	1.0	.9	.2							2.2	7.1
ESE		.6	.8	.3							1.7	7.9
SE	.4	.7	.3	.1							1.5	5.7
SSE	.3	1.0	.7	.2							2.2	6.8
S	1.5	1.3	1.4	1.1	.3						5.7	7.6
SSW	1.2	1.9	1.2	1.7							6.0	7.5
SW	1.3	2.1	1.7	3.4	.4	.2					9.2	9.4
WSW	.6	2.0	2.3	2.5	.6						8.0	9.0
W	1.0	2.8	6.1	4.4	1.3						15.6	9.7
WNW	.9	2.1	3.9	1.7							8.5	8.1
NW	.7	1.1	2.5	2.1							6.4	8.6
NNW	.8	1.3	1.1	.4							3.6	6.4
VARIABLE		.1	3.0	1.7	.2						5.0	10.7
CALM	////////////////////////////////////										2.3	////
TOTALS	12.3	23.8	35.2	22.9	3.2	.3					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 905

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	2.6	2.1	.9							6.8	6.5
NNE	1.0	2.0	3.7	.4							7.1	6.9
NE	.8	2.0	1.9	.1							4.8	5.8
ENE	.5	2.1	.8								3.4	5.3
E	1.1	1.3	.8	.3							3.4	5.5
ESE	.9	.3	.4	.3							1.8	5.4
SE	.8	.6	1.0	.4							2.9	6.7
SSE	1.4	.6	.5	.4							2.9	4.8
S	1.6	1.3	1.8	.1							4.8	5.5
SSW	1.3	1.4	2.9	.8							6.3	7.0
SW	2.1	2.1	2.8	1.3	.3	.1					8.7	7.3
WSW	2.4	3.2	3.8	1.5	.1						11.0	7.0
W	2.8	3.9	4.9	1.9							13.5	6.8
WNW	1.6	1.8	2.3	1.3							6.9	7.1
NW	1.0	1.6	1.8	.9							5.3	7.0
NNW	.8	.8	.9	.1	.1						2.6	6.2
VARIABLE			.8	.5							1.3	10.8
CALM	////////////////////////////////////										6.7	////
TOTALS	21.2	27.6	32.9	11.0	.5	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.0	1.9	2.6	.3								6.8	5.6
NNE	1.5	2.0	1.7									5.2	5.4
NE	.7	1.6	.4									2.8	4.9
ENE	.4	.9	.6									1.9	4.7
E	1.5	1.7	.6									3.8	3.9
ESE	.7	.4		.4								1.6	5.8
SE	.7	1.2	.1	.3								2.3	5.6
SSE	2.0	1.0	.4	.4								3.9	4.9
S	3.3	.7	1.2	.6								5.8	4.4
SSW	2.9	2.0	2.2	.3								7.4	5.0
SW	3.5	3.3	3.8	.6								11.2	5.7
WSW	2.6	5.4	2.9	.3								11.2	5.4
W	1.7	5.1	3.0	.6								10.4	6.2
WNW	1.0	1.9	1.3	.4	.4							5.1	7.5
NW	.9	2.0	.4	.3								3.6	5.4
NNW	.9	1.0	.3	.1								2.3	4.7
VARIABLE				.3								.3	12.0
CALM	////////////////////											14.4	////
TOTALS	26.4	32.2	21.6	4.9	.4							100.2	4.7

TOTAL NUMBER OF OBSERVATIONS: 689

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	3.0	3.0	.8	.1	.0					8.9	6.4
NNE	1.2	1.7	1.8	.6							5.3	6.4
NE	.8	1.1	.9	.2							3.0	5.7
ENE	.5	.9	.6	.1							2.1	5.6
E	.7	1.2	.7	.1							2.6	5.5
ESE	.4	.4	.4	.2							1.4	5.8
SE	.6	.6	.4	.2							1.7	5.7
SSE	.9	.8	.6	.2	.0						2.6	5.5
S	1.8	2.2	1.6	.8	.1						6.6	6.1
SSW	1.9	2.6	2.6	1.0	.1	.0					8.3	6.7
SW	1.7	3.0	3.3	1.6	.1	.1	.0				9.8	7.3
WSW	1.5	3.1	2.9	1.3	.1	.0					9.0	7.0
W	2.2	3.8	4.5	2.6	.3						13.5	7.6
WNW	1.0	1.9	2.6	1.2	.1						6.8	7.7
NW	.8	1.1	1.6	.9	.0						4.4	7.4
NNW	.7	1.2	1.6	.5	.0						4.0	6.9
VARIABLE		.1	1.6	.9	.2						2.8	11.0
CALM	////////////////////////////////////										7.2	////
TOTALS	18.7	28.8	30.7	13.2	1.2	.2	.0				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 6500

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.9	2.2	.7	.4							6.2	4.3
NNE	1.6	1.3	.2								3.1	3.6
NE	.2	.4	.2								.7	4.8
ENE		.2									.2	4.0
E	.4	.2									.5	2.7
ESE	.2	.2									.4	2.5
SE	.4	.7	.2								1.3	4.7
SSE	.5	1.1	.2								1.8	3.9
S	4.6	2.2	2.4								9.1	4.3
SSW	3.8	4.4	1.5	.5							10.2	4.8
SW	3.8	3.1	3.5	1.1		.5					12.0	6.7
WSW	4.9	9.3	3.8	1.5							19.5	5.6
W	3.6	6.4	3.8								13.8	5.2
WNW	1.1	1.8	.9	.4							4.2	5.6
NW	.4	.4	.4	.4							1.5	6.3
NNW	1.1	.5	1.3								2.9	5.5
VARIABLE												
CALM	////////////////////										12.6	////
TOTALS	29.5	34.2	18.9	4.2		.5					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 549

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-97
MONTH: SEP HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.2	2.4	1.0	.3								5.9	4.5
NNE	1.8	.4	.5									2.7	3.6
NE	.1	.1	.1									.4	5.0
ENE	.1	.1										.3	3.0
E	.3	.3										.5	3.0
ESE	.4	.8	.1									1.3	4.7
SE	.1	.4	.1									.6	4.8
SSE	1.5	.8	.8									3.1	4.5
S	3.1	3.6	3.1	.5								10.3	5.3
SSW	5.3	4.0	2.2	.9								12.3	4.8
SW	2.9	6.8	2.9	2.1	.1	.3						15.1	6.6
WSW	3.7	6.9	3.6	1.2								15.4	5.6
W	2.3	5.6	3.2	.9								12.1	6.0
WNW	.8	1.5	.9	.8								4.7	6.9
NW	1.2	1.0	1.0	.1								3.3	5.5
NNW	.5	.9	.5									1.9	5.0
VARIABLE													
CALM	////////////////////											10.9	////
TOTALS	26.3	35.6	20.1	6.7	.1	.3						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 760

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	2.3	2.4	1.1							7.7	6.5
NNE	1.0	.9	.4								2.2	4.3
NE	.5	.4	.6								1.5	5.2
ENE	.6	.1									.7	2.2
E	.4	.5									.9	3.3
ESE		.4	.1	.1	.1						.7	9.2
SE	.2	.9	.4								1.5	5.2
SSE	.7	1.5	1.3	.1							3.7	5.7
S	2.1	3.3	2.7	.9							8.9	5.8
SSW	2.9	4.8	2.7	1.0							11.4	5.6
SW	2.0	5.6	5.0	2.0		.1					14.7	6.9
WSW	3.1	6.0	6.0	2.2	.1						17.4	6.8
W	1.6	3.4	4.3	1.0	.7	.1					11.1	7.5
WNW	.2	1.3	2.0	.9	.1						4.5	8.1
NW	.2	.7	1.3	.6							2.9	8.0
NNW	.4	.5	.7								1.6	6.2
VARIABLE		.1	.1								.2	6.5
CALM	////////////////////										8.4	////
TOTALS	17.7	32.6	30.1	9.8	1.1	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.6	3.2	1.8	.1						7.4	8.6
NNE	.9	1.2	1.1								3.2	5.4
NE	.2	.4	.6	.1							1.3	6.5
ENE	.2	.5	.5								1.2	5.5
E	.6	.4	.9	.1							2.0	6.5
ESE	.4	.4	.6								1.3	6.2
SE	1.1	.7	.2	.4							2.3	5.4
SSE	.7	.6	.5	.8							2.6	7.5
S	.6	2.9	2.9	1.4	.4						8.2	8.0
SSW	.4	2.3	4.3	1.5	.1						8.6	8.2
SW	.7	3.0	5.3	3.6	.1						12.7	8.8
WSW	1.2	2.3	4.2	3.4	.2						11.3	8.9
W	1.6	4.2	7.1	5.0	.8	.2					19.0	9.2
WNW	.2	.7	2.6	1.9	.8						6.2	10.7
NW	.2	.4	1.6	2.0							4.2	10.0
NNW		1.1	.4	1.1	.1						2.6	9.0
VARIABLE		.1	2.8	1.2	.1						4.2	9.8
CALM	////////////////////										1.9	////
TOTALS	9.7	22.6	38.6	24.2	2.8	.2					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 857

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.6	2.2	1.4	.2						5.9	8.7
NNE	.2	.5	1.5	.1							2.3	7.3
NE		1.5	.7								2.2	6.3
ENE	.5	.5	.5								1.4	5.0
E	.1	1.4	.7	.2							2.4	6.6
ESE	.1	.2	.7	.3							1.4	7.8
SE	.2	.2	.2	.1							.8	5.7
SSE	.1	.5	.3	1.0	.1						2.1	9.9
S	.8	2.4	2.5	1.6	.5	.1					7.9	8.5
SSW	.8	2.7	4.2	1.9	.3						10.1	8.4
SW	.7	1.6	3.5	4.8	.3						11.0	10.2
WSW	.6	1.3	3.3	2.9	.5	.1					8.6	10.1
W	.6	2.4	8.2	6.8	1.8						19.8	10.4
WNW	.5	1.6	2.7	3.3	.6						8.7	9.9
NW	.3	1.0	1.7	.9	.6	.1					4.7	9.9
NNW	.3	.3	1.3	.7							2.6	8.9
VARIABLE			4.3	1.9		.1					6.4	9.9
CALM	////////////////////										1.5	////
TOTALS	6.4	19.7	38.7	28.0	4.9	.5					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 874

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1503-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.3	2.0	1.5	.1						5.6	8.3
NNE	.4	.9	1.3	.1							2.7	7.0
NE	.7	.8	1.3								2.8	5.5
ENE	.5	.9	.6								2.0	5.2
E	.5	.6	.8	.1							2.0	6.1
ESE	.4	.7	.1	.1							1.3	4.9
SE	.4	.4	.2	.5							1.4	7.7
SSE	.2	1.2	1.4	.2	.1						3.2	7.3
S	.4	3.3	3.2	.6	.1						7.5	7.2
SSW	1.1	3.2	3.6	1.2	.4	.2					9.6	7.9
SW	.7	1.9	3.9	4.6	.4						11.4	9.8
WSW	1.6	1.5	2.9	2.0	.7						8.8	8.7
W	1.2	3.4	6.7	4.3	.8						16.4	9.1
WNW	.6	1.5	5.3	2.8	1.1	.2					11.5	10.3
NW	1.2	1.2	2.0	1.3	.2						5.9	8.2
NNW	.7	1.4	.8	.8							3.7	7.1
VARIABLE			2.0	.6							2.6	9.7
CALM	////////////////////										1.8	////
TOTALS	11.0	24.1	38.1	20.7	3.9	.5					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 854

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	1.4	2.3	.3							5.4	6.0
NNE	1.5	.7	.4	.4							3.0	5.2
NE	1.1	1.2	.8								3.1	4.9
ENE	.4	.3									.7	3.2
E	.7	.4	.5								1.6	5.0
ESE	.8	1.0									1.8	4.2
SE	.5	.8	.7	.3							2.3	6.1
SSE	1.0	1.0	1.6								3.5	5.4
S	3.7	3.3	3.7	.3	.4						11.3	5.9
SSW	3.7	1.6	2.5		.1						7.9	4.9
SW	3.0	1.9	3.1	1.8	.1						9.9	6.7
WSW	1.8	2.6	2.3	1.5	.1						8.3	7.1
W	3.4	5.3	4.0	1.5							14.2	6.0
WNW	1.8	2.7	2.3	1.0	.4						8.2	7.1
NW	1.6	2.9	1.5	.7	.1						6.8	6.0
NNW	1.5	1.1	.8	.1							3.5	4.7
VARIABLE			.1								.1	10.0
CALM	////////////////////////////////////										8.2	////
TOTALS	27.9	28.1	26.7	7.8	1.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 734

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.2	1.3	.8								4.2	4.1
NNE	1.1	.6	.9								2.7	5.2
NE	.6	.8	.3								1.7	4.6
ENE	.6	.3									.9	3.0
E	.8	.5	.2								1.4	3.4
ESE	.8	.3									1.1	2.9
SE	.5	.8	.6								1.9	5.5
SSE	2.0	1.6	1.4								5.0	4.6
S	2.5	4.2	2.5	.6	.2						10.0	5.8
SSW	4.4	3.1	1.3	.9	.3						10.0	5.1
SW	3.6	3.5	2.8	1.6							11.5	6.0
WSW	3.6	4.4	3.3	1.4							12.7	5.9
W	3.6	4.4	3.8								11.8	5.3
WNW	2.4	1.7	1.3	.5							5.8	5.3
NW	1.6	1.7	.8	.5							4.6	5.6
NNW	1.1	1.1	1.6	.2							3.9	5.9
VARIABLE				.2							.2	12.0
CALM	////////////////////////////////////										10.5	////
TOTALS	31.4	30.3	21.5	5.8	.5						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	1.0	1.9	.9	.1						6.1	6.7
NNE	1.0	.8	.8	.1							2.7	5.3
NE	.4	.7	.6	.0							1.8	5.4
ENE	.4	.4	.2								1.0	4.4
E	.4	.5	.4	.1							1.5	5.4
ESE	.4	.5	.2	.1	.0						1.2	5.5
SE	.4	.6	.3	.2							1.5	5.7
SSE	.8	1.0	1.0	.3	.0						3.1	6.1
S	2.0	3.1	2.9	.8	.2	.0					9.1	6.4
SSW	2.6	3.2	2.9	1.0	.2	.0					10.0	6.3
SW	2.0	3.4	3.8	2.8	.1	.1					12.3	7.8
WSW	2.4	4.0	3.7	2.1	.2	.0					12.4	7.1
W	2.1	4.3	5.3	2.7	.6	.0					15.0	7.9
WNW	.9	1.6	2.4	1.5	.4	.0					6.9	8.7
NW	.8	1.1	1.4	.9	.1	.0					4.3	7.7
NNW	.7	.9	.9	.4	.0						2.9	6.6
VARIABLE		.0	1.3	.5	.0	.0					1.9	9.8
CALM	////////////////////										6.5	////
TOTALS	18.8	27.9	30.1	14.4	2.0	.3					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 6103

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.7	1.1	1.6									5.4	4.5
NNE	2.5	.7										3.2	2.6
NE	1.3	.2	.2									1.6	2.6
ENE		.7										.7	5.0
E	1.4	.5	.2									2.2	3.4
ESE	1.4	.5		.2								2.2	3.6
SE	1.1	.7	.4	.4								2.5	5.5
SSE	1.4	1.6	1.3	.4								4.7	5.4
S	2.3	3.1	4.1	.4	.5							10.5	6.8
SSW	3.1	4.0	3.8	2.5	.2							13.5	7.1
SW	1.6	4.5	4.9	2.0	.4							13.3	7.6
WSW	2.3	5.0	3.8	1.1								12.3	6.2
W	2.5	2.7	2.3	1.8	.2	.2						9.7	7.3
WNW	.4	.7	1.6	.5								3.2	8.3
NW		.9	.5	.2								1.6	7.2
NNW	.9	.2	.5	.5								2.2	6.5
VARIABLE													
CALM	////////////////////											11.2	////
TOTALS	25.0	27.2	25.2	9.9	1.3	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 555

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	1.9	1.3	.5	.1						6.0	5.3
NNE	1.1	1.3	.3	.3							2.9	5.0
NE	.6	.1		.1							.9	4.3
ENE	.5	.6	.5								1.6	5.2
E	1.6	.6	.3								2.5	3.3
ESE	.8	1.4	.1	.1							2.4	4.5
SE	.9	.5	.8	.3							2.4	6.1
SSE	1.0	1.0	1.5	.1							3.6	5.7
S	2.9	3.0	4.3	1.1	.5						11.8	7.0
SSW	2.9	3.5	2.8	2.4	.1						11.7	7.0
SW	2.0	4.8	3.1	3.3	.4						13.5	7.8
WSW	1.5	5.9	3.9	1.0							12.3	6.3
W	2.3	3.1	2.0	2.0	.1						9.5	7.0
WNW	.4	.8	.6	.1							1.9	5.9
NW	.4	.3	1.3	.6							2.5	8.6
NNW	1.3	.5	.9	.6							3.3	6.2
VARIABLE			.1								.1	9.0
CALM	////////////////////										11.2	////
TOTALS	22.3	29.2	23.6	12.5	1.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 798

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60	
N	2.2	1.8	1.7	.7							6.5	5.8
NNE	1.4	.7	.2								2.3	3.4
NE	.5	.2		.1	.1	.1					1.1	8.7
ENE	.5	.4	.9								1.7	5.5
E	.9	1.6	.6								3.1	4.5
ESE	.4	.6	1.2								2.2	5.8
SE	.5	2.0	.5	.6							3.6	6.2
SSE	.6	1.1	.7	.1							2.6	5.4
S	2.6	3.1	3.3	2.1	.4	.1					11.6	7.6
SSW	3.1	3.6	2.6	2.8	.2						12.3	6.9
SW	1.2	4.9	3.7	3.0	.6						13.4	8.1
WSW	2.6	4.2	4.1	2.0							12.9	6.8
W	.6	3.1	3.1	1.4	.1						8.3	7.5
WNW	1.0	.6	1.1	.2							3.7	6.2
NW	.7	.5	1.4	.9							3.4	8.0
NNW	.7	.4	1.1	.2							2.5	6.2
VARIABLE				.4							.4	13.3
CALM	////////////////////										9.2	////
TOTALS	19.5	20.8	26.2	14.5	1.5	.2					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 812

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.7	2.2	2.2	1.1	.1			7.2	6.7
NNE	.7	.7	.7	.1	.4			2.6	7.4
NE	.7	.4	.6					1.7	4.7
ENE	.5	.6	.1					1.2	4.1
E	.8	1.4	1.3	.2	.2			4.1	6.7
ESE	.4	.6	1.2	.5				2.6	7.6
SE	.4	1.2	1.2	.4				3.1	6.8
SSE	.5	.8	1.3	.5				3.1	7.2
S	.7	2.5	3.4	2.0		.2		8.9	8.5
SSW	.7	2.9	4.1	2.6	.5	.1		10.9	9.0
SW	1.0	2.8	4.4	6.1	.2	.1		14.6	9.9
WSW	.2	1.9	3.8	3.1	.1	.1		9.3	9.4
W	.8	1.7	3.1	4.1	1.1			10.8	10.3
WNW	.5	1.2	1.2	2.4	.2			5.5	9.9
NW	.6	.6	1.4	.4	.4			3.4	8.3
NNW	.2	.6	2.2	1.2				4.2	8.9
VARIABLE			.2	1.1	.4			1.7	13.6
CALM	////////////////////////////////////							5.1	////
TOTALS	10.4	22.0	32.5	25.7	3.6	.6		100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 835

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	2.1	1.8	1.1	.2							6.2	7.6
NNE	.6	.4	1.2	.2	.5							2.8	8.5
NE	.5	.5	1.3	.1								2.3	6.4
ENE		1.3	.5									1.8	5.8
E	.4	.7	.9	.7	.1							2.8	8.8
ESE	.5	.4	1.4	.6	.1							2.9	8.2
SE	.6	.5	1.3	.6	.1							3.0	7.7
SSE	.5	.9	1.9	.5								3.7	7.2
S	.5	.9	4.6	2.2	.2							8.4	9.3
SSW	.4	1.6	3.3	3.6	.2	.4						9.5	10.3
SW	.4	1.2	4.9	4.8	.6							11.8	10.6
WSW	.5	1.9	3.4	4.1	.9	.1						10.9	10.7
W	.6	1.9	3.2	4.6	1.1	.7						11.9	11.3
WNW	.5	1.4	2.3	2.9	.4	.6						8.1	10.7
NW	.7	2.0	1.5	.8								5.0	7.3
NNW	.8	.8	1.3	1.2	.4							4.4	8.6
VARIABLE		.1	.8	.7	.4							2.0	11.6
CALM	////////////////////											2.6	////
TOTALS	8.2	18.4	35.4	28.6	5.1	1.8						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 857

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.9	1.7	1.3	.8	.2			6.0	6.6
NNE	1.5	.6	.6	.5				3.2	5.2
NE	.4	1.1	.8	.1				2.4	6.1
ENE	1.1	.8	.7					2.6	4.9
E	.8	.4	1.0	.5	.1			2.7	7.2
ESE	.2	.7	1.1	.2				2.3	6.7
SE	.5	.5	.5	.8				2.3	8.5
SSE	.7	1.0	1.3	.2				3.2	6.5
S	1.5	3.5	4.9	2.0	.1	.1		12.2	7.8
SSW	1.0	1.9	4.1	2.5	.2	.1		9.8	8.8
SW	.5	3.2	3.8	3.0	1.1			11.6	9.7
WSW	.8	1.4	3.0	2.0	.4	.1		7.7	9.2
W	2.1	2.5	4.6	4.9	1.0	.1		15.3	9.2
WNW	.2	1.9	2.6	1.2	.6	.1		6.7	9.3
NW	.6	1.4	1.5	.6				4.2	7.0
NNW	.7	1.1	1.0	.2	.4			3.3	7.0
VARIABLE			.2	.1				.4	11.7
CALM	////////////////////							4.3	////
TOTALS	14.7	23.6	33.0	19.8	4.1	.6		100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 839

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 1800-2400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.8	1.6	.5	.8								4.8	5.5
NNE	1.8	1.2	.3									3.3	3.6
NE	1.1	1.2	.4									2.7	4.1
ENE	1.4	.7	.7									2.7	4.4
E	1.1	.1	1.0									2.2	4.9
ESE	1.4	1.4	1.0									3.7	4.7
SE	.7	1.0	.7									2.3	5.5
SSE	1.0	1.9	1.8	.1								4.8	5.7
S	1.2	4.0	3.7	1.9	.5							11.3	7.9
SSW	2.5	3.3	3.5	1.9	.3	.3						11.7	7.5
SW	1.8	2.3	4.8	3.0	.3							12.1	8.3
WSW	2.5	2.9	3.7	2.7	.3							12.2	7.6
W	2.2	3.4	4.4	1.1	.3							11.3	6.9
WNW	.7	1.2	1.5	.5								4.0	6.8
NW	.4	.1	.1	.4								1.1	7.5
NNW	.4	.3	.7	.3	.1							1.8	8.2
VARIABLE													
CALM	////////////////////											8.2	////
TOTALS	21.7	26.6	28.6	12.8	1.8	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 733

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.7	1.8	1.1									5.6	4.3
NNE	1.7	1.5	.2									3.4	3.5
NE	.6	.3										.9	2.8
ENE	.2	.2	.3									.6	6.5
E	2.4	.5	.8									3.7	3.3
ESE	.6	1.1	.8									2.4	5.0
SE	.6	.2	.3	.3								1.4	6.0
SSE	1.2	1.5	.9									3.7	5.1
S	1.5	4.1	3.5	.6								9.8	6.2
SSW	3.5	4.4	6.1	2.0	.2							16.2	7.0
SW	2.7	2.9	4.4	3.5	.3	.2						14.7	8.2
WSW	1.8	3.8	4.3	2.7	.3							13.0	7.9
W	1.1	3.1	3.8	.8	.2							8.9	7.0
WNW	.3	.6	1.7	.2								2.7	6.8
NW	.3	.8	.3	.3								1.7	6.7
NNW		.2	.6	.9								1.7	9.8
VARIABLE													
CALM	////////////////////											10.4	////
TOTALS	21.4	26.9	29.0	11.3	.9	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 655

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(151): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	1.8	1.4	.7	.1						6.0	5.9
NNE	1.3	.9	.5	.1	.1						2.9	5.0
NE	.7	.5	.4	.1	.0	.0					1.7	5.2
ENE	.5	.7	.5								1.7	5.0
E	1.1	.8	.8	.2	.1						2.9	5.5
ESE	.7	.8	.9	.2	.0						2.6	5.9
SE	.6	.8	.7	.4	.0						2.6	6.7
SSE	.8	1.2	1.3	.2							3.6	6.1
S	1.6	3.0	4.0	1.6	.3	.1					10.5	7.7
SSW	2.0	3.1	3.7	2.6	.2	.1					11.7	7.9
SW	1.3	3.3	4.2	3.7	.5	.0					13.0	8.9
WSW	1.5	3.3	3.7	2.4	.3	.0					11.2	8.0
W	1.5	2.6	3.3	2.7	.5	.1					10.8	8.6
WNW	.5	1.1	1.6	1.1	.2	.1					4.5	8.8
NW	.5	.8	1.1	.5	.0						3.3	7.6
NNW	.6	.5	1.1	.7	.1						3.0	7.7
VARIABLE		.0	.2	.3	.1						.6	12.4
CALM	////////////////////										7.5	////
TOTALS	17.3	25.1	29.5	17.5	2.6	.5					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 6084

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77,79,81-86
MONTH: NOV HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.9	6.3	2.3									10.5	5.3
NNE	1.0	1.7	.4									3.1	4.1
NE	.6	.8										1.5	3.9
ENE	.2	.4										.6	4.3
E	.4	.6										1.0	3.4
ESE	.2	.4	.4									1.0	5.6
SE	1.0	.6	.6	.2								2.5	5.0
SSE	.6	2.7	2.3	.2	.2							6.1	6.7
S	3.3	2.1	2.9	1.9	.8							11.1	7.4
SSW	2.3	3.3	2.1	1.5	.2							9.4	6.5
SW	1.5	3.3	5.6	4.4	.2	.2						15.3	9.1
WSW	1.9	1.7	2.3	1.5	.2							7.5	7.4
W	2.1	3.8	3.1	1.9	1.0	.2						12.1	8.3
WNW	.8	1.3	.6	.8	.4							4.0	8.5
NW	1.3	.4	1.3	.6		.2						3.8	7.3
NNW	.2	.6	1.5	.8	.2							3.3	9.1
VARIABLE			.2		.2	.4						.8	18.5
CALM	////////////////////											6.3	////
TOTALS	19.5	30.1	25.7	13.8	3.6	1.0						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 478

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	2.9	2.2	.3	.6						8.3	6.1
NNE	.6	1.8	.3								2.6	4.5
NE	.4	.4	.6	.1							1.5	5.8
ENE	.1	1.2	1.0	.3	.1						2.8	7.6
E	.4	.1	.1	.3							1.0	6.3
ESE	.3										.3	1.0
SE	.6	.4	.4	.1							1.5	5.5
SSE	.7	1.5	1.8	.3	.1						4.4	6.8
S	1.9	1.9	3.2	2.1	.6						9.6	8.2
SSW	1.4	1.9	5.0	3.2	.7						12.1	8.9
SW	2.2	1.8	3.6	5.0	.7						13.2	9.4
WSW	1.4	2.1	3.2	3.4	.3						10.3	9.1
W	1.2	4.1	5.1	2.6	.1						13.2	7.9
WNW	.6	.8	1.0	1.2	.1						3.7	8.6
NW	.4	1.1	.8	.4							2.8	7.0
NNW	.6	1.0	1.7	1.7							4.8	8.9
VARIABLE			.3	.1	.1						.6	12.8
CALM	////////////////////										7.3	////
TOTALS	15.0	23.1	30.0	21.1	3.4						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 726

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	3.4	2.3	1.0							8.4	6.2
NNE	.6	.8	.4								1.8	4.4
NE	.1	1.4	.9	.4							2.9	6.8
ENE	.3	.6	.4	.8	.3	.1					2.5	10.4
E	.1	.3	.1								.5	4.5
ESE	.4	.6	.3								1.3	4.3
SE	.6	.6	.8	.1							2.2	5.6
SSE	.5	.8	1.3	.4							3.7	6.8
S	1.6	1.6	2.2	2.7	.4						8.4	8.4
SSW	2.3	2.6	2.1	3.8	.9	.1					11.4	8.9
SW	1.2	3.1	4.8	5.6	.4	.1					15.2	9.4
VSW	1.2	3.5	5.2	1.0							10.9	7.1
W	1.6	2.9	4.2	2.7	.4		.1				11.8	8.6
WNW	.6	1.6	1.6	.5	.3	.1					4.7	8.1
NW	.4	1.2	1.0	1.3	.1						4.0	8.8
NNW	.6	.4	1.6	1.6							4.2	8.7
VARIABLE			.1	.3	.3						.6	15.8
CALM	////////////////////////////////////										5.7	////
TOTALS	13.9	25.3	29.2	22.2	3.0	.5	.1				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 770

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	2.9	3.3	.9	.4	.3					8.4	8.1
NNE	.8	1.1	1.3								3.2	5.7
NE	.5	1.3	.8	1.0							3.5	7.2
ENE	.1	.3		.3	.1	.1					.9	11.9
E	.6	.8	.6	.1		.1					2.3	6.1
ESE		.4	.3		.1						.8	6.7
SE	.1	.4	.4								.9	6.3
SSE	1.0	1.1	2.0	.8							4.9	6.8
S	1.3	1.9	2.3	2.0							7.5	7.5
SSW	1.6	1.9	3.2	4.4	1.0						12.2	9.9
SW	1.1	2.5	4.7	6.3	1.5						16.2	10.6
WSW	.9	1.6	4.2	2.7	.4						9.7	9.1
W	1.4	1.3	3.9	3.0	.9	.3					10.8	9.8
WNW	.3	.8	2.2	.9	.6	.1					4.8	10.3
NW		.6	1.1	1.4	.4						3.5	10.7
NNW	.4	.8	2.4	1.6	.4						5.6	9.8
VARIABLE			.3	1.1	.3	.3					1.9	15.1
CALM	////////////////////////////////////										3.0	////
TOTALS	10.8	19.6	32.8	26.6	6.1	1.1					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 790

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.1	3.3	4.1	1.1	.2	.1		9.9	7.6
NNE	.5	.7	.5	.6				2.3	7.4
NE		.1	.4	.5				1.0	9.5
ENE	.6	.2	1.2	.6	.4	.1		3.1	9.7
E	.8	.7	.1	.5	.2			2.4	7.4
ESE	.5	.6	.2		.1			1.4	5.8
SE		.5	.2	.5				1.2	8.9
SSE	.6	1.4	1.0	.7				3.7	7.0
S	.6	2.2	3.1	2.2	.4	.1		8.6	9.0
SSW	.5	1.7	1.9	3.1	2.4	.7		10.4	12.7
SW	.5	1.6	6.0	6.4	2.2	.1		16.8	11.4
WSW	.4	1.3	2.9	3.6	.5			8.7	10.3
W	.7	1.2	3.6	5.1	.6	.2		11.5	10.8
WNW	.6	.7	2.1	1.7	.7	.4		6.2	11.0
NW	.2	.4	1.3	1.8	.7			4.5	11.6
NNW	.2	.5	2.3	1.4	.4	.1		4.9	10.4
VARIABLE			.5	1.2	.2	.2		2.2	14.9
CALM	////////////////////							1.3	////
TOTALS	7.8	17.1	31.5	31.0	9.0	2.2		100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	3.5	3.4	.5	.2							8.8	6.7
NNE	1.3	1.1	.6	.2								3.3	5.0
NE	.6	.8	.4	.8								2.7	7.3
ENE		.4	.6	.2	.2							1.5	10.2
E	.8	.4		.2	.1							1.6	5.8
ESE	.6	.4	.4	.2								1.6	5.8
SE	.4	1.0	.5	.2								2.1	6.0
SSE	.5	1.6	1.6	1.0								4.6	7.4
S	1.3	2.4	1.7	2.1	.6							8.1	8.4
SSW	1.3	1.9	3.5	2.9	1.1	.4						11.2	9.7
SW	.7	2.8	5.7	6.1	1.0							16.2	10.2
WSW	.6	2.1	3.0	2.7	.2							8.6	8.9
W	1.2	2.1	3.8	2.5	.8	.2						10.7	9.2
WNW	1.0	1.6	2.4	1.6	.5	.4						7.4	9.5
NW	.2	.8	1.7	.5		.1						3.4	8.2
NNW	.5	.8	1.0	1.2	.1							3.6	8.6
VARIABLE				.5	.1							.6	15.0
CALM	////////////////////											4.3	////
TOTALS	12.4	23.6	30.2	23.5	5.1	1.1						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 1800-2400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	5.6	1.7	.6	.1						10.0	5.7
NNE	.7	1.0	.7	.1							2.5	5.6
NE	.3	.7	.1	.7							1.8	7.6
ENE	.1	.4	.3	.1	.6						1.5	11.4
E	.4	1.0	.1		.1						1.7	5.7
ESE	.1	.8	.7								1.7	5.9
SE	.4	2.0	.4								2.4	5.1
SSE	.7	2.0	2.4	.1							5.2	6.2
S	2.1	2.5	1.7	1.5	.8	.1					8.8	8.2
SSW	2.7	3.2	2.8	3.8	.3	.3					13.1	8.5
SW	.8	2.5	3.8	4.6	.8						12.4	9.8
WSW	1.5	1.7	2.2	2.0	.4						7.9	8.3
W	1.8	5.1	1.4	2.9	.6						11.8	7.6
WNW	.4	1.7	1.1	1.1	.1	.1					4.6	8.8
NW	.8	1.1	.7	.3							2.9	5.5
NNW	.7	.7	1.1	.8	.3						3.7	8.8
VARIABLE				.3	.4						.7	17.0
CALM	////////////////////										6.6	////
TOTALS	15.7	32.0	21.3	19.1	4.6	.6					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 712

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.8	4.8	2.8	.7								10.1	5.9
NNE	.6	.6	1.0	.1								2.3	6.2
NE	.3	.4	.4	.7								1.9	8.2
ENE	.1	.6		.3	.1							1.2	8.3
E	.3	.7		.1								1.2	5.8
ESE	.1	.4	.1									.7	4.8
SE	.4	.7	1.9	.3								3.4	7.3
SSE	.7	2.9	1.6	.1								5.4	5.9
S	1.3	3.1	2.0	3.1			.1					9.6	8.3
SSW	1.5	2.0	2.0	2.9	.4							8.9	8.7
SW	1.3	3.5	3.5	6.3	1.3	.1						16.1	10.0
WSW	1.2	1.9	2.3	2.9								8.3	8.4
W	2.2	2.8	3.5	1.6	.3	.3						10.7	7.7
WNW	.4	1.2	1.6	.7			.1					4.1	8.5
NW	.7	1.3	.9	.3								3.2	6.0
NNW	.9	1.3	.9	1.6								4.7	7.6
VARIABLE			.1		.1	.6	.1					1.0	21.4
CALM	////////////////////											7.3	////
TOTALS	13.9	28.3	24.8	21.9	2.3	1.0	.4					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 685

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.5	3.9	2.8	.7	.2	.1			9.2	6.5
NNE	.8	1.1	.7	.2					2.6	5.4
NE	.3	.8	.5	.6					2.1	7.1
ENE	.2	.5	.5	.3	.2	.1			1.8	9.5
E	.5	.6	.2	.2	.1	.0			1.5	6.1
ESE	.3	.5	.3	.0	.0				1.1	5.6
SE	.4	.8	.6	.2					2.0	6.1
SSE	.7	1.7	1.7	.5	.0				4.6	6.7
S	1.6	2.2	2.4	2.2	.4	.0	.0		8.9	8.2
SSW	1.7	2.3	2.9	3.3	.9	.2			11.2	9.4
SW	1.1	2.6	4.7	5.7	1.1	.1			15.3	10.1
WSW	1.1	2.0	3.2	2.5	.3				9.1	8.7
W	1.5	2.8	3.6	2.9	.6	.2	.0		11.5	8.8
WNW	.6	1.2	1.6	1.1	.4	.2	.0		5.0	9.3
NW	.5	.9	1.1	.9	.2	.0			3.5	8.6
NNW	.5	.8	1.6	1.4	.2	.0			4.4	9.1
VARIABLE			.2	.5	.2	.2	.0		1.1	16.0
CALM	////////////////////								5.7	////
TOTALS	13.2	24.4	28.5	23.0	4.8	1.0	.1		100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 5815

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-78,81-86
MONTH: DEC HOURS(1ST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	.4	.8	.4	.6						2.5	10.3
NNE		.4		.2							.6	9.0
NE		.2		.8							1.0	9.8
ENE	.2	.2	.2	.4							1.0	8.2
E	.4	1.5	.8	.6							3.3	6.6
ESE	.4	2.1	.2	.6							3.3	6.0
SE	1.7	1.7	.2	.6	.2	.2					4.6	6.7
SSE	.8	2.5	2.1	1.2							6.6	7.3
S	2.7	3.3	2.7	2.3							11.0	6.7
SSW	2.5	6.2	1.7	3.7	.4	.2					14.7	7.9
SW	1.7	3.5	5.2	5.0	.8						16.2	9.1
WSW	1.7	3.5	3.3	2.9	1.2	.2					12.9	8.9
W	.8	3.7	2.7	1.5	1.0						9.8	8.2
WNW	.2	1.0	.6	.4							2.3	6.9
NW	.4	.8	1.0	1.2							3.5	8.8
NNW	1.0		.6								1.7	4.6
VARIABLE												
CALM	////////////////////										5.0	////
TOTALS	14.7	31.1	22.2	22.0	4.4	.6					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 482

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	1.5	1.6	.5	.5						4.7	8.3
NNE	.4	.5	.5								1.5	5.7
NE	.1	.4	.9	.3	.1						1.9	8.6
ENE	.5	.3	.1								.9	3.7
E	1.2	1.1	.5								2.8	4.4
ESE	.4	1.8	1.6	.3							4.1	6.1
SE	.8	1.4	.7	.9							3.8	6.9
SSE	1.2	1.5	2.6	.8	.3						6.4	7.7
S	1.2	2.4	3.4	1.8	.3						9.1	7.8
SSW	2.4	3.2	2.2	4.1	1.1						13.3	8.7
SW	1.5	4.3	4.6	5.0	1.2	.3					16.9	9.5
WSW	.9	3.2	3.0	2.4		.3					9.9	8.2
W	.8	2.2	3.1	2.7	1.1	.1					10.0	10.0
WNW	.5	.8	.7	.9	.1						3.1	8.6
NW	.3	.7	.4	1.6							3.0	9.2
NNW	.4	.3	.7	1.2							2.6	9.9
VARIABLE				.3							.3	14.5
CALM	////////////////////////////////////										6.2	////
TOTALS	13.4	25.5	26.6	22.8	4.7	.7					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 740

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(1ST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	1.6	1.3	1.2	.4						5.0	8.4
NNE	.4	.5	1.2	.1							2.2	7.4
NE	.1	.2	.1	.1	.2	.1					1.0	11.5
ENE	.5	.7	.1								1.3	4.3
E	.7	1.1	1.1								2.9	5.3
ESE	.9	1.1	1.0	.1							3.1	5.6
SE	.5	1.3	1.3	1.3							4.5	8.3
SSE	.9	1.3	1.2	1.2	.5	.1					5.3	8.4
S	1.7	4.0	2.6	1.6		.2					10.1	7.1
SSW	2.4	4.4	2.6	2.7	.9	.2					13.2	8.0
SW	2.4	4.2	5.6	3.9	1.0	.1					17.2	8.6
WSW	1.3	2.4	4.4	3.7	.5	.1					12.5	9.0
W	1.0	2.0	3.2	2.6	.5	.1					9.3	9.0
WNW	.2	.5	.7	.1	.5	.4					2.4	12.4
NW		.4	.7	.9		.1					2.1	10.6
NNW	.1	1.2	.6	1.6							3.5	9.7
VARIABLE												
CALM	////////////////////										4.3	////
TOTALS	13.7	27.0	27.9	21.1	4.4	1.6					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(1ST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.4	1.3	.9	.2						4.8	7.7
NNE	.5	1.4	.2	.1							2.2	5.2
NE	.7	.2	.2	.1		.4					1.6	9.4
ENE	.4		.2	.1							.7	6.0
E	.6	.6	.9	.5							2.6	6.9
ESE	.1	.9	1.1	.1							2.2	7.3
SE	.2	1.3	1.8	1.8	.1						5.2	9.4
SSE	.4	1.4	1.3	1.2	.1						4.3	8.5
S	1.3	3.8	3.1	2.6	.1	.6					11.4	8.6
SSW	1.2	3.4	4.0	2.1	1.1	.4					12.1	9.2
SW	1.1	2.8	5.5	3.8	.5	.1					13.7	9.1
WSW	1.5	1.8	6.3	5.4	.7	.2					16.0	9.6
W	.9	1.6	3.2	1.8	.5	.1					8.1	9.1
WNW	.2	.9	.8	1.2	.1	.2					3.5	9.8
NW	.1	.5	.8	1.9		.1					3.4	10.9
NNW	.2	.8	.6	1.9	.2						3.8	10.5
VARIABLE			.1		.1						.2	15.0
CALM	////////////////////										4.1	////
TOTALS	10.3	22.9	31.5	25.4	3.8	2.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 852

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60		
N	1.0	1.4	2.0	2.0	.1							6.5	8.3
NNE	.6	.3	.1		.1	.2						1.3	8.1
NE	.2	.4	.1	.2	.1							1.1	7.5
ENE	.3	.1	.3	.7	.1							1.6	9.2
E	.4	.7	.7	.4								2.2	7.2
ESE	.3	.7	.6	.6								2.1	7.9
SE	.1	1.0	1.1	1.8								4.0	10.0
SSE	.4	.6	2.1	1.9	.1							5.1	9.4
S	1.2	1.1	2.5	2.0	.3	.6						7.8	10.0
SSW	.6	1.7	2.7	4.7	.7	.2	.1					10.5	10.8
SW	.6	2.1	5.7	4.2	1.8	.6						14.9	11.0
WSW	1.0	1.9	5.7	4.7	.8	.2						14.2	9.8
W	.3	2.2	4.0	3.1	.9	.6						11.1	10.5
WNW	.3	.8	1.2	1.9	.1	.1						4.4	10.1
NW	.3	.7	1.4	1.3	.2							4.7	9.5
NNW	.3	.8	1.3	2.5	.4	.1						5.5	11.0
VARIABLE			.1	.3								.4	11.3
CALM	////////////////////////////////////											3.2	////
TOTALS	8.1	16.4	31.6	32.3	5.8	2.5	.1					109.2	9.7

TOTAL NUMBER OF OBSERVATIONS: 902

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	.9	2.5	1.2		.1						6.7	7.8
NNE	.3	.7	.2	.6	.2	.1						2.1	9.7
NE	.1	.3	.1	.2								.8	7.4
ENE		.8	.2	.3								1.3	7.6
E	.4	.9	1.0	1.1								3.4	8.0
ESE	.6	.3	.7	.7								2.2	7.6
SE	.8	.9	1.7	.8	.2							4.3	8.1
SSE	.2	1.2	1.7	1.4	.1							4.7	8.9
S	1.3	1.7	3.0	2.0	.3	.3						8.6	8.7
SSW	1.9	3.0	4.1	3.3	.8							13.1	8.5
SW	.9	3.7	5.5	3.5	.8	.2						14.6	9.3
WSW	1.3	2.5	4.4	3.0	.3	.1	.1					11.8	8.7
W	1.0	3.1	3.1	2.5	.1	.4						10.3	8.8
WNW	.2	1.0	1.6	.9	.3							4.0	9.5
NW	.3	.4	1.2	1.2	.1							3.3	9.2
NNW		1.3	.9	2.3								4.5	9.8
VARIABLE					.1	.1						.2	21.5
CALM	////////////////////											4.7	////
TOTALS	10.6	22.7	31.9	25.1	3.4	1.4	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1800-2400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	.4	.9	.5	.1	.4					3.0	10.3
NNE	.3	.5	.7	.8							2.2	9.0
NE	.3	.4	.4	.3							1.3	6.7
ENE	.5	.3	.3	.4							1.5	6.5
E	.4	.9	.9	.7							2.9	7.8
ESE		.9	1.3	.1							2.4	7.2
SE	1.2	1.5	1.8	.8	.3						5.5	7.4
SSE	.9	1.3	2.2	1.7	.1						6.3	8.3
S	2.2	3.3	4.8	2.2	.7	.3					13.5	8.2
SSW	1.5	4.1	2.8	3.4	1.1	.1					12.9	9.1
SW	1.6	3.3	4.6	3.3	.4						13.2	8.7
WSW	1.6	2.9	3.3	1.6	.1	.4	.3				10.2	8.5
W	.8	2.8	2.2	1.2	.4	.4					7.8	8.6
WNW	.7	.7	2.4	.5		.1					4.4	8.1
NW	.1	.4	.8	.8							2.1	9.2
NNW	.8	1.2	1.5	2.0	.1						5.5	8.5
VARIABLE							.1				.1	30.0
CALM	////////////////////										5.0	////
TOTALS	13.5	24.8	30.9	20.3	3.3	1.7	.4				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 757

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	.3	.7		.4	.1					1.9	10.1
NNE	.4	1.1	.7	1.0							3.1	7.7
NE	.1	.1	.5	.1							1.0	7.6
ENE		.7	.5								1.2	7.0
E	.4	.8	.3	.5							2.0	6.9
ESE	1.0	1.6	.8	.4	.1						3.9	6.4
SE	.4	1.5	1.2	1.4							4.5	8.0
SSE	1.2	.8	1.1	1.6							4.8	8.1
S	1.2	3.1	3.0	2.7	.4						10.5	8.0
SSW	2.0	3.4	2.9	3.4	1.1	.1					12.9	8.9
SW	1.1	5.0	2.9	5.6	1.1	.1					15.8	9.4
WSW	.8	3.4	3.3	1.5	.5	.1					9.7	8.1
W	.5	2.4	3.7	.7		.7	.4				8.4	9.7
WNW	.5	1.0	1.6	1.0	.4		.1				4.6	9.5
NW	.4	.8	1.1	1.0	.1						3.4	8.7
NNW	.3	.8	1.4	1.6	.1						4.2	9.6
VARIABLE			.1								.1	8.0
CALM	////////////////////										7.9	////
TOTALS	10.9	26.9	25.7	22.4	4.4	1.2	.5				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 735

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.0	1.5	.9	.3	.1					4.5	8.5
NNE	.4	.7	.5	.3	.0	.0					2.0	7.6
NE	.2	.3	.3	.2	.1	.1					1.2	8.5
ENE	.3	.4	.3	.2	.0						1.2	6.7
E	.6	.9	.8	.5							2.8	6.7
ESE	.5	1.1	.9	.4	.0						2.8	6.7
SE	.6	1.3	1.3	1.2	.1	.0					4.5	8.2
SSE	.7	1.3	1.8	1.4	.2	.0					5.3	8.4
S	1.6	2.8	3.1	2.1	.3	.3					10.1	8.2
SSW	1.7	3.5	2.9	3.4	.9	.2	.0				12.7	8.9
SW	1.3	3.6	5.0	4.2	1.0	.2					15.2	9.4
WSW	1.3	2.6	4.3	3.2	.5	.2	.0				12.2	9.0
W	.8	2.4	3.2	2.1	.5	.3	.0				9.4	9.3
WNW	.4	.8	1.2	.9	.2	.1	.0				3.7	9.5
NW	.2	.6	1.0	1.2	.1	.0					3.1	9.6
NNW	.4	.9	1.0	1.8	.1	.0					4.1	9.7
VARIABLE			.0	.1	.0	.0	.0				.2	15.4
CALM	////////////////////////////////////										5.7	////
TOTALS	11.6	24.1	29.0	24.3	4.3	1.6	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 6189

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	2.6	2.8	1.5	.2	.0	.0	.0			8.9	7.5
NNE	.9	1.4	1.6	1.0	.1	.0					5.1	7.6
NE	.6	1.0	1.1	.6	.1	.0					3.5	7.6
ENE	.4	.8	.8	.5	.1	.0					2.6	7.4
E	.8	1.0	.9	.5	.0	.0					3.3	6.5
ESE	.5	.7	.6	.3	.0	.0					2.2	6.8
SE	.5	.8	.8	.5	.0	.0					2.7	7.3
SSE	.7	1.1	1.1	.6	.0	.0					3.6	7.0
S	1.6	2.3	2.3	1.2	.2	.1	.0				7.6	7.2
SSW	1.7	2.5	2.5	1.7	.4	.1	.0				8.8	7.8
SW	1.3	2.8	3.4	2.6	.4	.1	.0				10.6	8.5
WSW	1.2	2.5	3.1	1.9	.3	.1	.0				9.1	8.1
W	1.3	2.8	3.6	2.4	.5	.1	.0				10.8	8.5
WNW	.6	1.4	1.9	1.4	.3	.1	.0				5.7	9.1
NW	.6	1.0	1.4	1.0	.1	.0	.0	.0			4.2	8.5
NNW	.6	1.0	1.4	1.0	.1	.0	.0				4.1	8.3
VARIABLE	.0	.1	.9	.7	.1	.0	.0	.0			1.9	11.5
CALM	////////////////////////////////////										5.4	////
TOTALS	15.0	25.7	30.3	19.5	3.1	.8	.1	.0			100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 71449

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-87

MONTH: ALL HOURS(IST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE
AND/OR
CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2 1/2 MILES

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.1	3.8	4.8	3.2	.6	.1	.0	.0			14.6	8.2
NNE	1.1	2.2	2.4	2.3	.4	.0					8.4	8.4
NE	.7	1.3	1.6	1.1	.2	.1					4.9	8.5
ENE	.5	1.3	1.2	.7	.1						3.8	7.4
E	1.2	1.6	2.0	.9	.1						5.9	7.0
ESE	.6	.9	1.2	.5	.1	.0					3.2	7.1
SE	.7	1.2	1.2	.9	.1	.0					4.1	7.7
SSE	1.0	1.8	1.6	1.0	.1						5.5	7.1
S	1.9	2.6	2.6	1.5	.2	.1					8.8	7.3
SSW	1.6	2.5	2.3	1.5	.2	.1	.0				8.2	7.5
SW	1.2	2.1	2.4	2.3	.2	.1					8.2	8.3
WSW	1.0	1.4	1.2	.7	.1	.0	.0				4.5	7.1
W	1.0	1.3	.9	.2	.1	.0					3.4	5.8
WNW	.5	.6	.5	.3	.0	.1	.0				2.7	6.9
NW	.6	.8	.6	.5	.0	.0					2.4	6.9
NNW	.8	.9	1.0	1.1	.3						4.1	8.4
VARIABLE		.0	.2	.3	.0	.0					.6	12.3
CALM	////////////////////										7.5	////
TOTALS	16.5	26.2	27.5	18.9	2.6	.7	.1	.0			100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 11616

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	-	10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 79,82-87
MONTH: JAN HOURS(LST): 0000-0100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL		32.2	32.9	33.7	33.9	34.1	34.1	34.4	34.6	35.6	35.6	35.6	35.6	35.8	35.8	36.5	
GE 20000		35.1	36.3	37.0	37.2	37.5	37.5	37.7	37.9	38.9	38.9	38.9	38.9	39.1	39.1	39.9	
GE 18000		35.1	36.3	37.0	37.2	37.5	37.5	37.7	37.9	38.9	38.9	38.9	38.9	39.1	39.1	39.9	
GE 16000		35.1	36.3	37.0	37.2	37.5	37.5	37.7	37.9	38.9	38.9	38.9	38.9	39.1	39.1	39.9	
GE 14000		35.1	36.3	37.0	37.2	37.5	37.5	37.7	37.9	38.9	38.9	38.9	38.9	39.1	39.1	39.9	
GE 12000		35.6	36.8	37.5	37.7	37.9	37.9	38.2	38.4	39.4	39.4	39.4	39.4	39.6	39.6	40.3	
GE 10000		36.0	37.2	37.9	38.2	38.4	38.4	38.7	38.9	39.9	39.9	39.9	39.9	40.1	40.1	40.8	
GE 9000		36.3	37.5	38.4	38.7	38.9	38.9	39.1	39.4	40.3	40.3	40.3	40.3	40.6	40.6	41.3	
GE 8000		37.7	38.9	40.6	42.0	42.2	42.2	42.5	42.7	43.9	43.9	43.9	43.9	44.2	44.2	44.9	
GE 7000		38.9	40.1	41.8	43.2	43.4	43.4	43.7	43.9	45.1	45.1	45.1	45.1	45.3	45.3	46.1	
GE 6000		38.9	40.1	41.8	43.2	43.4	43.4	43.7	43.9	45.1	45.1	45.1	45.1	45.3	45.3	46.1	
GE 5000		40.8	42.2	43.9	45.3	45.6	45.6	46.1	46.3	47.5	47.5	47.5	47.5	47.7	47.7	48.4	
GE 4500		41.3	43.0	44.6	46.1	46.3	46.3	46.8	47.0	48.2	48.2	48.2	48.2	48.4	48.4	49.2	
GE 4000		48.2	50.6	52.5	53.9	54.2	54.2	54.7	54.9	56.1	56.1	56.1	56.1	56.3	56.3	57.0	
GE 3500		51.3	54.2	56.3	57.8	58.0	58.0	58.7	58.9	60.1	60.1	60.1	60.1	60.4	60.4	61.1	
GE 3000		59.2	62.3	64.9	66.6	66.8	66.8	67.5	67.8	69.0	69.0	69.0	69.0	69.2	69.2	69.9	
GE 2500		60.6	63.7	67.8	69.5	69.7	69.9	70.6	70.9	72.1	72.1	72.1	72.1	72.3	72.3	73.0	
GE 2000		64.7	68.0	72.3	74.7	74.9	75.4	76.1	76.4	77.8	78.0	78.3	78.3	78.5	78.5	79.2	
GE 1800		65.6	69.0	73.3	75.7	75.9	76.4	77.1	77.3	78.8	79.0	79.2	79.2	79.5	79.5	80.2	
GE 1500		67.1	70.6	75.2	77.6	77.8	78.3	79.0	79.7	81.9	82.1	82.3	82.3	82.6	82.6	83.3	
GE 1200		68.7	72.3	76.8	79.2	79.7	80.2	80.9	81.9	84.5	84.7	85.0	85.0	85.2	85.2	85.9	
GE 1000		69.9	73.5	78.0	80.4	81.4	81.9	82.6	83.5	86.2	86.4	86.6	86.6	86.9	86.9	87.6	
GE 900		70.4	74.5	79.0	81.4	82.6	83.1	83.8	85.0	87.6	87.8	88.1	88.1	88.3	88.3	89.0	
GE 800		70.6	74.7	79.2	81.6	82.8	83.3	84.0	85.2	88.1	88.3	88.5	88.5	88.8	88.8	89.5	
GE 700		71.8	75.9	81.1	84.0	85.2	85.7	86.4	87.6	90.5	90.7	90.9	90.9	91.2	91.2	91.9	
GE 600		72.6	76.6	81.9	85.2	86.4	86.9	87.6	89.0	92.4	92.6	93.1	93.1	93.3	93.3	94.0	
GE 500		72.6	76.6	81.9	85.4	86.6	87.1	87.8	89.3	92.6	92.8	93.3	93.3	93.8	93.8	94.5	
GE 400		72.6	76.6	81.9	86.2	87.4	87.8	88.5	90.0	93.3	93.6	94.0	94.0	94.5	94.5	95.2	
GE 300		72.6	76.6	81.9	86.2	87.4	87.8	89.0	90.9	94.3	94.7	95.2	95.2	96.2	96.2	97.1	
GE 200		72.6	76.6	81.9	86.2	87.4	87.8	89.0	90.9	94.5	95.0	95.7	95.9	96.9	96.9	98.1	
GE 100		72.6	76.6	81.9	86.2	87.4	87.8	89.0	90.9	94.7	95.2	95.9	96.2	97.9	97.9	100.0	
GE	CI	72.6	76.6	81.9	86.2	87.4	87.8	89.0	90.9	94.7	95.2	95.9	96.2	97.9	97.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS (LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		29.5	30.3	32.5	33.3	33.4	33.7	33.8	34.0	34.2	34.4	34.4	34.4	34.4	34.5	34.6
GE 20000		31.9	33.0	35.3	36.2	36.4	36.6	36.8	36.9	37.2	37.3	37.3	37.3	37.3	37.4	37.6
GE 18000		32.1	33.2	35.4	36.4	36.5	36.8	36.9	37.0	37.3	37.4	37.4	37.4	37.4	37.6	37.7
GE 16000		32.1	33.2	35.4	36.4	36.5	36.8	36.9	37.0	37.3	37.4	37.4	37.4	37.4	37.6	37.7
GE 14000		32.1	33.2	35.4	36.4	36.5	36.8	36.9	37.0	37.3	37.4	37.4	37.4	37.4	37.6	37.7
GE 12000		32.1	33.2	35.4	36.4	36.5	36.8	36.9	37.0	37.3	37.4	37.4	37.4	37.4	37.6	37.7
GE 10000		33.0	34.1	36.6	37.6	37.7	38.0	38.1	38.3	38.5	38.7	38.7	38.7	38.7	38.8	38.9
GE 9000		33.4	34.5	37.0	38.0	38.1	38.4	38.5	38.7	38.9	39.1	39.1	39.1	39.1	39.2	39.3
GE 8000		35.7	36.9	40.0	41.3	41.5	42.1	42.3	42.4	42.7	42.8	42.8	42.8	42.8	43.0	43.1
GE 7000		36.0	37.2	40.7	42.0	42.1	43.1	43.2	43.4	43.6	43.8	43.8	43.8	43.8	43.9	44.0
GE 6000		36.1	37.3	40.8	42.1	42.3	43.2	43.4	43.5	43.8	43.9	43.9	43.9	43.9	44.0	44.2
GE 5000		37.7	38.9	42.8	44.6	44.7	45.8	45.9	46.0	46.3	46.4	46.4	46.4	46.4	46.6	46.7
GE 4500		38.8	40.3	44.6	46.7	47.0	48.2	48.3	48.5	48.7	48.9	48.9	48.9	48.9	49.0	49.1
GE 4000		42.7	44.4	49.0	51.1	51.4	52.6	52.8	52.9	53.2	53.3	53.3	53.3	53.3	53.4	53.6
GE 3500		45.5	47.2	52.6	54.8	55.0	56.5	56.9	57.0	57.3	57.4	57.4	57.4	57.4	57.6	57.7
GE 3000		49.7	51.8	57.4	59.9	60.5	62.1	62.6	62.7	63.0	63.1	63.1	63.1	63.1	63.2	63.4
GE 2500		54.1	56.2	62.1	64.8	65.5	67.2	67.7	67.8	68.2	68.3	68.3	68.3	68.3	68.5	68.6
GE 2000		56.9	59.1	66.0	69.1	69.9	71.7	72.2	72.3	73.2	73.3	73.3	73.3	73.3	73.4	73.6
GE 1800		56.9	59.1	66.0	69.4	70.2	71.9	72.5	72.6	73.4	73.6	73.6	73.6	73.6	73.7	73.8
GE 1500		59.9	62.8	69.9	73.4	74.2	76.1	77.0	77.2	78.5	78.7	78.7	78.7	78.7	78.8	78.9
GE 1200		60.8	64.0	71.5	75.0	75.8	77.9	78.9	79.5	80.8	81.1	81.1	81.1	81.1	81.2	81.3
GE 1000		63.0	66.3	74.1	77.6	78.4	80.7	81.7	82.4	83.8	84.0	84.0	84.0	84.2	84.3	84.4
GE 900		63.5	67.2	75.0	78.5	79.5	81.9	83.1	83.8	85.1	85.4	85.4	85.4	85.5	85.6	85.8
GE 800		64.2	68.1	75.8	79.5	80.4	83.0	84.3	85.0	86.3	86.6	86.6	86.6	86.7	86.8	87.0
GE 700		65.4	69.3	77.0	80.7	81.6	84.4	85.9	86.6	87.9	88.2	88.2	88.2	88.3	88.6	88.7
GE 600		65.4	69.4	77.6	81.7	82.7	85.6	87.2	87.9	89.3	89.5	89.5	89.5	89.7	89.8	90.1
GE 500		65.5	69.5	78.0	82.3	83.4	86.3	87.9	88.9	91.0	91.3	91.3	91.4	91.5	91.7	91.8
GE 400		65.5	69.5	78.0	82.3	83.6	87.0	88.6	89.9	92.6	92.9	92.9	93.0	93.2	93.3	93.4
GE 300		65.5	69.5	78.0	82.8	84.3	87.8	89.8	91.1	93.8	94.1	94.4	94.6	95.0	95.2	95.4
GE 200		65.5	69.5	78.0	82.8	84.3	87.8	89.8	91.1	93.8	94.1	94.5	94.8	95.3	95.4	95.6
GE 100		65.5	69.5	78.0	82.8	84.3	87.8	89.8	91.1	94.1	94.4	94.9	95.3	96.1	96.5	96.6
GE 0		65.5	69.5	78.0	82.8	84.3	87.8	89.8	91.1	94.1	94.5	95.0	95.6	96.4	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 745

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(IST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN FEET		160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL	1		28.8	29.8	30.5	31.6	31.7	31.7	32.6	32.9	33.4	33.4	33.4	33.4	33.5	33.9	34.4	
GE	20000		32.0	33.3	34.0	35.1	35.2	35.2	36.1	36.5	37.0	37.0	37.0	37.0	37.2	37.6	38.0	
GE	18000		32.1	33.4	34.3	35.4	35.5	35.5	36.3	36.7	37.2	37.2	37.2	37.2	37.4	37.8	38.3	
GE	16000		32.1	33.4	34.3	35.4	35.5	35.5	36.3	36.7	37.2	37.2	37.2	37.2	37.4	37.8	38.3	
GE	14000		32.1	33.4	34.3	35.4	35.5	35.5	36.3	36.7	37.2	37.2	37.2	37.2	37.4	37.8	38.3	
GE	12000		32.1	33.4	34.4	35.5	35.6	35.6	36.5	36.8	37.3	37.3	37.3	37.3	37.6	37.9	38.4	
GE	10000		33.9	35.2	36.3	37.4	37.6	37.6	38.5	38.9	39.4	39.4	39.4	39.4	39.6	40.0	40.5	
GE	9000		34.3	35.6	36.7	37.8	37.9	37.9	38.9	39.3	39.8	39.8	39.8	39.8	40.0	40.4	40.9	
GE	8000		36.1	37.6	38.8	40.1	40.5	40.5	41.5	41.8	42.3	42.3	42.3	42.3	42.6	42.9	43.4	
GE	7000		36.3	37.8	39.0	40.4	40.7	40.7	41.7	42.1	42.6	42.6	42.6	42.6	42.8	43.2	43.7	
GE	6000		36.3	37.8	39.0	40.4	40.7	40.7	41.7	42.1	42.7	42.7	42.7	42.7	42.9	43.3	43.8	
GE	5000		37.3	38.8	40.5	42.1	42.4	42.8	43.8	44.1	44.9	44.9	44.9	44.9	45.1	45.5	46.0	
GE	4500		38.9	40.6	42.7	44.4	44.8	45.5	46.5	46.8	47.6	47.6	47.6	47.6	47.8	48.2	48.7	
GE	4000		41.5	43.3	46.2	48.5	48.9	49.8	51.0	51.3	52.2	52.2	52.2	52.2	52.4	52.9	53.4	
GE	3500		43.0	45.2	48.7	51.5	51.8	52.9	54.1	54.5	55.4	55.4	55.4	55.4	55.6	56.1	56.6	
GE	3000		47.1	49.8	53.9	56.8	57.6	58.9	60.1	60.6	61.7	61.7	61.7	61.7	62.0	62.6	63.0	
GE	2500		50.7	53.7	57.9	61.0	61.7	63.0	64.4	64.9	66.0	66.0	66.0	66.0	66.2	66.8	67.4	
GE	2000		54.9	58.3	62.7	65.9	66.7	68.3	69.6	70.4	71.6	71.6	71.6	71.6	71.8	72.4	73.0	
GE	1800		55.2	58.8	63.3	66.5	67.4	69.1	70.6	71.3	72.7	72.7	72.7	72.7	72.9	73.5	74.1	
GE	1500		57.3	61.3	66.3	69.9	70.9	72.7	74.4	75.4	76.7	76.7	76.7	76.7	77.0	77.6	78.2	
GE	1200		59.1	63.4	68.7	72.2	73.2	75.2	77.0	78.2	79.5	79.5	79.5	79.5	79.8	80.4	81.0	
GE	1000		60.6	65.1	71.0	74.5	75.5	77.7	79.5	80.7	82.1	82.1	82.1	82.1	82.3	83.0	83.8	
GE	900		61.1	65.9	72.0	75.7	76.8	79.1	81.0	82.2	83.5	83.5	83.5	83.5	83.8	84.5	85.2	
GE	800		62.0	66.8	72.9	76.8	78.0	80.4	82.3	83.7	85.1	85.1	85.1	85.1	85.4	86.1	86.8	
GE	700		62.7	67.9	74.1	78.2	79.4	82.2	84.4	86.0	87.7	87.7	87.7	87.7	88.0	88.8	89.5	
GE	600		62.8	68.2	74.6	78.8	80.0	82.9	85.2	87.0	88.7	88.8	88.9	88.9	89.3	90.0	90.7	
GE	500		62.8	68.2	74.9	79.1	80.4	83.4	86.3	88.0	89.9	90.1	90.5	90.5	91.0	91.7	92.4	
GE	400		62.8	68.2	74.9	79.1	80.6	84.3	87.4	89.3	91.8	92.1	92.4	92.4	92.9	93.7	94.5	
GE	300		62.8	68.2	74.9	79.3	80.9	84.5	87.7	89.6	92.4	92.9	93.9	94.0	94.6	95.4	96.3	
GE	200		62.8	68.2	74.9	79.4	81.0	84.6	87.8	89.8	92.6	93.0	94.4	94.5	95.2	96.1	97.3	
GE	100		62.8	68.2	74.9	79.4	81.0	84.6	87.9	89.9	92.7	93.3	94.8	94.9	96.2	97.6	100.0	
GE	0		62.8	68.2	74.9	79.4	81.0	84.6	87.9	89.9	92.7	93.3	94.8	94.9	96.2	97.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS (LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		26.1	27.1	28.4	29.6	29.8	29.8	30.3	30.6	30.8	30.8	30.8	30.8	30.8	30.8	31.4
GE 2000		31.2	32.9	34.6	36.0	36.2	36.3	37.1	37.5	37.7	37.7	37.7	37.8	37.8	37.8	38.4
GE 1800		31.4	33.2	34.8	36.2	36.4	36.6	37.4	37.7	38.0	38.0	38.0	38.1	38.1	38.1	38.6
GE 1600		31.4	33.2	34.8	36.2	36.4	36.6	37.4	37.7	38.0	38.0	38.0	38.1	38.1	38.1	38.6
GE 1400		31.7	33.4	35.0	36.4	36.7	36.8	37.6	38.0	38.2	38.2	38.2	38.3	38.3	38.3	38.9
GE 1200		32.5	34.2	35.9	37.3	37.5	37.6	38.4	38.8	39.0	39.0	39.0	39.1	39.1	39.1	39.7
GE 1000		34.2	36.0	37.8	39.5	39.8	40.0	40.9	41.2	41.4	41.4	41.4	41.6	41.6	41.6	42.1
GE 900		35.0	36.9	38.8	40.4	40.7	41.0	41.8	42.1	42.4	42.4	42.4	42.5	42.5	42.5	43.1
GE 800		38.4	40.5	43.1	44.8	45.3	45.5	46.3	46.7	46.9	46.9	46.9	47.0	47.0	47.0	47.6
GE 700		38.8	40.9	43.4	45.2	45.6	45.9	46.8	47.1	47.4	47.4	47.4	47.5	47.5	47.5	48.1
GE 600		38.8	40.9	43.4	45.2	45.6	45.9	46.8	47.1	47.4	47.4	47.4	47.5	47.5	47.5	48.2
GE 500		39.8	42.0	44.9	46.8	47.4	48.0	49.1	49.5	49.7	49.7	49.7	49.8	49.8	49.8	50.5
GE 450		41.7	44.0	47.0	49.2	50.1	50.9	52.0	52.4	52.7	52.7	52.7	52.9	52.9	52.9	53.6
GE 400		46.3	48.9	52.5	54.8	55.6	56.6	57.9	58.3	58.9	59.1	59.1	59.4	59.5	59.6	60.3
GE 350		48.0	50.8	54.5	56.9	57.7	58.9	60.5	61.0	61.9	62.2	62.2	62.5	62.6	62.7	63.4
GE 300		50.8	53.7	57.9	60.3	61.2	62.4	64.0	64.5	65.4	65.7	65.7	66.0	66.1	66.2	66.9
GE 250		52.6	56.1	60.3	63.0	64.1	65.8	67.5	68.3	69.5	69.7	69.7	70.1	70.2	70.3	71.0
GE 200		56.5	60.3	64.7	67.5	68.9	71.1	73.0	73.8	75.0	75.2	75.2	75.7	75.8	75.9	76.6
GE 180		56.9	60.8	65.3	68.2	69.6	72.1	74.0	75.1	76.4	76.6	76.6	77.1	77.2	77.3	78.0
GE 150		58.1	62.0	66.7	69.7	71.2	74.3	76.4	77.4	78.8	79.0	79.0	79.5	79.6	79.7	80.6
GE 120		59.3	63.4	68.5	71.9	73.8	77.2	79.4	80.6	82.1	82.3	82.3	82.8	82.9	83.0	83.8
GE 100		59.7	64.0	69.5	73.2	75.1	78.6	81.1	82.4	84.2	84.4	84.4	84.9	85.0	85.1	85.9
GE 90		60.0	64.4	69.8	73.8	75.7	79.2	81.7	83.0	84.7	85.0	85.0	85.4	85.6	85.7	86.5
GE 80		60.3	64.7	70.2	74.2	76.1	79.7	82.4	83.8	85.7	85.9	85.9	86.4	86.5	86.6	87.4
GE 70		61.1	65.5	71.2	75.2	77.2	80.8	83.5	85.1	87.3	87.5	87.8	88.4	88.6	88.7	89.5
GE 60		61.1	65.7	71.7	76.0	78.1	82.1	84.7	86.5	88.7	88.9	89.2	89.8	90.0	90.1	90.9
GE 50		61.2	65.8	71.8	76.4	78.6	83.0	86.1	87.9	90.2	90.7	91.2	91.7	92.1	92.2	93.0
GE 40		61.2	65.8	71.8	76.4	78.6	83.2	86.5	88.5	91.4	92.1	92.7	93.2	93.6	93.7	94.5
GE 30		61.2	65.8	71.8	76.4	78.7	83.5	86.7	88.7	91.6	92.8	93.8	94.5	95.2	95.3	96.5
GE 20		61.2	65.8	71.8	76.4	78.7	83.5	86.7	88.7	91.6	92.8	93.8	94.9	96.3	96.5	98.1
GE 10		61.2	65.8	71.8	76.4	78.7	83.5	86.7	88.7	91.6	92.8	93.8	94.9	96.4	97.4	100.0
GE 0		61.2	65.8	71.8	76.4	78.7	83.5	86.7	88.7	91.6	92.8	93.8	94.9	96.4	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 459

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: Q35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		26.4	26.4	27.7	28.3	28.5	28.9	29.1	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.5	
GE 20000		32.3	32.3	34.3	34.9	35.2	35.7	35.9	35.9	36.0	36.1	36.2	36.2	36.3	36.3	36.6	
GE 18000		32.6	32.6	34.5	35.1	35.4	36.0	36.1	36.1	36.2	36.3	36.4	36.4	36.5	36.5	36.8	
GE 16000		32.6	32.6	34.5	35.1	35.4	36.0	36.1	36.1	36.2	36.3	36.4	36.4	36.5	36.5	36.8	
GE 14000		32.7	32.7	34.6	35.2	35.5	36.1	36.2	36.2	36.3	36.4	36.5	36.5	36.6	36.6	37.0	
GE 12000		33.6	33.7	35.6	36.2	36.5	37.1	37.2	37.2	37.3	37.4	37.5	37.5	37.6	37.6	37.9	
GE 10000		35.5	36.0	38.2	39.0	39.4	39.9	40.0	40.0	40.1	40.2	40.4	40.4	40.5	40.5	40.8	
GE 9000		35.9	36.4	38.7	39.6	40.1	40.7	40.8	40.8	40.9	41.0	41.1	41.1	41.2	41.2	41.6	
GE 8000		40.6	41.6	44.7	45.8	46.5	47.1	47.3	47.3	47.5	47.6	47.7	47.7	47.8	47.8	48.1	
GE 7000		40.9	41.9	45.1	46.2	46.8	47.5	47.6	47.6	47.8	47.9	48.0	48.0	48.1	48.1	48.5	
GE 6000		41.1	42.1	45.4	46.5	47.1	47.8	47.9	47.9	48.1	48.2	48.4	48.4	48.5	48.5	48.8	
GE 5000		42.0	43.1	46.9	48.2	49.0	49.7	49.8	49.8	50.0	50.2	50.3	50.3	50.4	50.4	50.8	
GE 4500		42.5	43.6	47.6	48.9	49.8	50.8	50.9	50.9	51.3	51.6	51.9	51.9	52.0	52.0	52.3	
GE 4000		46.2	47.6	51.9	53.7	54.9	56.0	56.4	56.4	56.9	57.5	57.8	57.8	57.9	57.9	58.2	
GE 3500		48.2	49.7	54.1	56.0	57.3	58.8	59.2	59.2	59.8	60.3	60.6	60.6	60.7	60.7	61.1	
GE 3000		51.8	53.4	58.1	60.3	62.0	63.5	64.3	64.3	64.8	65.4	65.7	65.7	65.8	65.8	66.1	
GE 2500		54.1	56.1	61.1	63.5	65.5	67.8	69.0	69.1	69.7	70.4	70.7	70.8	70.9	70.9	71.3	
GE 2000		57.3	59.9	64.9	67.5	69.7	72.1	73.4	73.6	74.2	74.9	75.2	75.3	75.4	75.4	75.8	
GE 1800		58.1	60.6	65.7	68.3	70.5	72.9	74.1	74.3	75.0	75.7	76.0	76.1	76.2	76.2	76.5	
GE 1500		60.2	62.9	68.2	71.3	74.0	76.6	77.9	78.2	78.8	79.5	79.8	79.9	80.0	80.0	80.4	
GE 1200		62.0	65.0	70.4	74.0	76.9	79.7	80.9	81.3	81.9	82.6	82.9	83.0	83.1	83.1	83.4	
GE 1000		63.0	66.2	71.7	75.4	78.4	81.3	82.8	83.4	84.9	85.5	85.9	86.0	86.1	86.1	86.4	
GE 900		63.8	67.1	72.6	76.3	79.3	82.1	83.8	84.5	86.0	86.6	87.0	87.1	87.2	87.2	87.5	
GE 800		64.1	67.5	73.2	77.2	80.2	83.1	84.8	85.9	87.5	88.2	88.5	88.6	88.7	88.7	89.0	
GE 700		64.6	68.4	74.6	78.7	81.9	85.0	86.8	87.9	90.0	90.7	91.0	91.1	91.2	91.2	91.6	
GE 600		64.7	68.5	75.0	79.6	82.9	86.1	88.0	89.1	91.2	91.9	92.2	92.3	92.4	92.4	92.8	
GE 500		64.7	68.5	75.3	79.9	83.2	86.8	89.1	90.5	93.0	93.6	94.1	94.2	94.3	94.3	94.6	
GE 400		64.7	68.6	75.4	80.2	83.4	87.4	89.8	91.1	93.8	94.4	95.0	95.1	95.2	95.2	95.5	
GE 300		64.7	68.6	75.4	80.2	83.4	87.4	90.0	91.6	94.4	95.5	96.2	96.5	97.4	97.4	98.0	
GE 200		64.7	68.6	75.4	80.2	83.4	87.4	90.0	91.6	94.4	95.5	96.2	96.5	98.0	98.4	99.8	
GE 100		64.7	68.6	75.4	80.2	83.4	87.4	90.0	91.6	94.4	95.5	96.2	96.5	98.0	98.5	100.0	
GE 0		64.7	68.6	75.4	80.2	83.4	87.4	90.0	91.6	94.4	95.5	96.2	96.5	98.0	98.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	I	24.2	25.2	27.3	27.7	27.9	28.9	29.4	29.4	29.5	29.5	29.6	29.6	29.7	29.7	29.9	
GE 20000	I	29.8	31.4	34.0	34.5	34.9	36.1	36.9	36.9	37.2	37.2	37.3	37.3	37.4	37.4	37.6	
GE 18000	I	29.8	31.4	34.0	34.5	34.9	36.1	36.9	36.9	37.2	37.2	37.3	37.3	37.4	37.4	37.6	
GE 16000	I	29.8	31.4	34.0	34.5	34.9	36.1	36.9	36.9	37.2	37.2	37.3	37.3	37.4	37.4	37.6	
GE 14000	I	30.1	31.6	34.2	34.8	35.1	36.3	37.2	37.2	37.4	37.4	37.5	37.5	37.6	37.6	37.8	
GE 12000	I	30.8	32.3	35.0	35.5	35.8	37.0	37.9	37.9	38.1	38.1	38.3	38.3	38.4	38.4	38.6	
GE 10000	I	33.1	34.8	37.6	38.4	38.7	40.0	40.9	40.9	41.1	41.1	41.2	41.2	41.3	41.3	41.5	
GE 9000	I	33.7	35.5	38.6	39.3	39.8	41.1	42.0	42.0	42.2	42.2	42.3	42.3	42.4	42.4	42.6	
GE 8000	I	37.4	39.2	43.0	43.9	44.5	46.0	47.0	47.0	47.2	47.2	47.3	47.3	47.4	47.4	47.7	
GE 7000	I	37.9	39.8	43.7	44.7	45.4	47.0	48.2	48.2	48.5	48.5	48.6	48.6	48.7	48.7	49.0	
GE 6000	I	38.1	40.1	44.3	45.2	45.9	47.5	48.7	48.7	49.1	49.1	49.2	49.2	49.3	49.3	49.5	
GE 5000	I	39.2	41.4	45.8	46.8	47.4	49.4	50.6	50.6	50.9	50.9	51.0	51.0	51.1	51.1	51.4	
GE 4500	I	40.8	43.1	47.5	48.5	49.2	51.4	52.6	52.6	52.9	52.9	53.1	53.1	53.2	53.2	53.4	
GE 4000	I	44.0	46.7	51.5	52.5	53.2	55.5	56.9	57.0	57.5	57.5	58.0	58.0	58.1	58.1	58.5	
GE 3500	I	46.3	49.3	54.2	55.7	56.5	59.0	60.5	60.9	61.4	61.4	62.0	62.0	62.1	62.1	62.4	
GE 3000	I	50.2	53.4	58.8	60.7	61.4	64.0	65.8	66.4	67.1	67.1	67.7	67.7	67.8	67.8	68.1	
GE 2500	I	54.4	58.0	63.9	65.9	66.9	69.5	71.7	72.5	73.3	73.3	73.9	73.9	74.0	74.0	74.3	
GE 2000	I	57.0	61.0	67.3	69.7	70.8	73.9	76.1	76.9	78.1	78.3	78.8	78.8	78.9	78.9	79.2	
GE 1800	I	57.2	61.1	67.4	69.8	71.0	74.1	76.3	77.2	78.4	78.5	79.0	79.0	79.1	79.1	79.5	
GE 1500	I	58.7	63.1	70.1	73.2	74.5	77.9	80.3	81.4	83.0	83.1	83.6	83.6	83.7	83.7	84.0	
GE 1200	I	59.5	63.9	71.1	74.9	76.4	80.0	82.5	83.6	85.2	85.4	85.9	85.9	86.0	86.0	86.3	
GE 1000	I	60.2	64.7	72.8	77.4	79.0	82.7	85.4	86.9	88.5	88.6	89.3	89.3	89.4	89.4	89.7	
GE 900	I	60.7	65.1	73.4	78.0	79.7	83.4	86.0	87.5	89.2	89.3	89.9	89.9	90.1	90.1	90.4	
GE 800	I	61.2	66.2	74.9	79.6	81.2	84.9	87.5	89.1	90.8	90.9	91.6	91.6	91.7	91.7	92.0	
GE 700	I	61.5	66.6	75.2	80.3	82.0	85.9	88.5	90.1	91.8	91.9	92.7	92.7	92.8	92.8	93.1	
GE 600	I	61.5	66.6	75.3	81.0	82.6	86.9	89.6	91.1	92.9	93.0	94.0	94.0	94.1	94.1	94.4	
GE 500	I	61.5	66.7	75.6	81.3	83.0	87.2	89.9	91.6	93.3	93.4	94.4	94.4	94.6	94.6	95.0	
GE 400	I	61.6	66.9	75.8	81.6	83.3	87.9	90.6	92.2	94.0	94.1	95.3	95.3	95.5	95.5	95.8	
GE 300	I	61.6	66.9	75.8	81.6	83.3	88.0	90.7	92.3	94.4	94.8	96.0	96.1	96.6	96.7	97.6	
GE 200	I	61.6	66.9	75.8	81.6	83.3	88.0	90.8	92.5	94.5	95.0	96.3	96.5	97.7	97.8	99.6	
GE 100	I	61.6	66.9	75.8	81.6	83.3	88.0	90.8	92.5	94.5	95.0	96.3	96.5	97.9	98.1	99.9	
GE 0	I	61.6	66.9	75.8	81.6	83.3	88.0	90.8	92.5	94.5	95.0	96.3	96.5	97.9	98.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(IST): 1800-2600

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL		26.4	28.1	29.5	30.4	30.6	31.2	31.7	32.1	32.2	32.2	32.4	32.5	32.6	32.6	32.8	
GE 20000		30.7	32.5	34.9	35.8	35.9	36.8	37.3	37.7	38.1	38.1	38.2	38.4	38.5	38.5	38.6	
GE 18000		30.8	32.6	35.0	35.9	36.0	36.9	37.5	37.8	38.2	38.2	38.4	38.5	38.6	38.6	38.8	
GE 16000		30.8	32.6	35.0	35.9	36.0	36.9	37.5	37.8	38.2	38.2	38.4	38.5	38.6	38.6	38.8	
GE 14000		30.8	32.6	35.0	35.9	36.0	36.9	37.5	37.8	38.2	38.2	38.4	38.5	38.6	38.6	38.8	
GE 12000		30.8	32.6	35.0	35.9	36.0	36.9	37.5	37.8	38.2	38.2	38.4	38.5	38.6	38.6	38.8	
GE 10000		32.5	34.3	36.8	37.7	37.8	38.8	39.3	39.7	40.1	40.1	40.2	40.3	40.4	40.4	40.6	
GE 9000		33.0	35.1	37.8	38.8	38.9	39.8	40.3	40.7	41.1	41.1	41.2	41.4	41.5	41.5	41.6	
GE 8000		37.3	39.7	42.7	43.8	44.2	45.1	45.6	46.0	46.7	46.7	46.8	46.9	47.1	47.1	47.2	
GE 7000		37.8	40.3	43.3	44.5	44.9	45.9	46.7	47.1	47.7	47.7	47.9	48.0	48.1	48.1	48.2	
GE 6000		38.0	40.4	43.4	44.6	45.0	46.2	46.9	47.3	48.0	48.0	48.1	48.2	48.4	48.4	48.5	
GE 5000		39.8	42.3	46.0	47.2	47.7	48.9	49.7	50.1	50.7	50.7	50.8	51.0	51.1	51.1	51.2	
GE 4500		41.6	44.1	48.0	49.2	49.7	51.0	51.8	52.1	52.8	52.8	52.9	53.1	53.2	53.2	53.3	
GE 4000		45.5	48.1	52.8	54.0	54.7	56.3	57.1	57.6	58.3	58.3	58.4	58.5	58.6	58.6	58.8	
GE 3500		48.8	51.5	56.7	57.9	58.6	60.2	61.4	62.0	62.7	62.7	62.8	62.9	63.1	63.1	63.2	
GE 3000		52.7	56.0	61.9	63.3	64.4	65.9	67.4	68.0	68.7	68.8	68.9	69.1	69.2	69.2	69.3	
GE 2500		55.8	59.8	66.6	68.5	69.6	71.3	73.5	74.4	75.0	75.2	75.3	75.4	75.6	75.6	75.7	
GE 2000		57.7	62.4	69.3	71.4	72.7	74.5	76.7	77.6	78.3	78.4	78.5	78.7	78.8	78.8	78.9	
GE 1800		57.9	62.5	69.4	71.7	73.0	74.8	77.0	77.9	78.5	78.7	78.8	78.9	79.1	79.1	79.2	
GE 1500		61.0	65.8	73.3	76.5	77.8	79.8	82.2	83.1	83.7	83.9	84.0	84.1	84.3	84.3	84.4	
GE 1200		61.9	67.1	74.8	78.2	79.5	81.8	84.3	85.2	85.8	86.0	86.1	86.2	86.3	86.3	86.5	
GE 1000		62.3	67.5	75.8	79.6	80.9	83.4	86.3	87.6	88.4	88.6	88.7	88.8	88.9	88.9	89.1	
GE 900		62.7	68.3	76.7	80.5	81.8	84.3	87.3	88.6	89.5	89.6	89.9	90.1	90.2	90.2	90.4	
GE 800		63.1	69.4	78.2	81.9	83.2	85.7	88.7	90.0	90.9	91.0	91.3	91.5	91.8	91.8	91.9	
GE 700		63.2	69.7	78.8	82.7	84.0	86.5	89.7	91.0	91.9	92.1	92.3	92.6	92.8	92.8	93.0	
GE 600		63.2	69.7	78.8	83.4	84.8	87.5	91.0	92.3	93.2	93.5	93.8	94.1	94.4	94.4	94.5	
GE 500		63.2	69.7	78.8	83.5	84.9	87.6	91.2	92.6	93.5	93.8	94.0	94.4	94.7	94.7	94.8	
GE 400		63.2	69.7	78.9	84.0	85.4	88.2	91.8	93.5	94.4	94.7	95.1	95.4	95.7	95.7	95.8	
GE 300		63.2	69.7	78.9	84.1	85.6	88.6	92.3	94.0	95.1	95.3	95.7	96.1	96.5	96.5	97.3	
GE 200		63.2	69.7	78.9	84.3	85.7	88.7	92.6	94.3	95.6	96.1	96.6	97.0	97.5	97.7	99.0	
GE 100		63.2	69.7	78.9	84.3	85.7	88.7	92.6	94.3	95.6	96.1	96.6	97.0	97.9	98.2	99.6	
GE 0		63.2	69.7	78.9	84.3	85.7	88.7	92.6	94.3	95.6	96.1	96.6	97.0	97.9	98.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 769

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	30.8	31.6	32.8	33.1	33.2	33.9	34.5	34.8	35.3	35.5	35.5	35.6	35.7	36.3	36.7	
GE 20000	33.9	35.3	36.8	37.1	37.2	38.2	38.8	39.1	39.6	39.8	39.8	39.9	40.0	40.6	41.0	
GE 18000	34.1	35.6	37.1	37.3	37.5	38.4	39.1	39.4	39.9	40.0	40.0	40.2	40.3	40.8	41.2	
GE 16000	34.3	35.7	37.2	37.5	37.6	38.6	39.2	39.5	40.0	40.2	40.2	40.3	40.4	41.0	41.4	
GE 14000	34.3	35.7	37.2	37.5	37.6	38.6	39.2	39.5	40.0	40.2	40.2	40.3	40.4	41.0	41.4	
GE 12000	34.3	35.7	37.2	37.5	37.6	38.6	39.2	39.5	40.0	40.2	40.2	40.3	40.4	41.0	41.4	
GE 10000	35.1	36.5	38.2	38.6	38.7	39.6	40.3	40.6	41.1	41.2	41.2	41.4	41.5	42.0	42.4	
GE 9000	35.2	37.1	38.8	39.2	39.4	40.3	41.0	41.2	41.8	41.9	41.9	42.0	42.2	42.7	43.1	
GE 8000	37.9	39.9	41.9	42.7	42.8	43.8	44.7	45.0	45.5	45.6	45.6	45.8	45.9	46.5	46.9	
GE 7000	38.4	40.4	42.4	43.2	43.4	44.3	45.6	45.9	46.5	46.6	46.6	46.7	46.9	47.4	47.8	
GE 6000	38.8	40.8	42.8	43.6	43.8	44.7	46.1	46.3	46.9	47.0	47.0	47.1	47.3	47.8	48.2	
GE 5000	40.4	42.6	45.2	46.3	46.5	47.7	49.1	49.4	49.9	50.1	50.1	50.2	50.3	50.9	51.3	
GE 4500	41.4	43.5	46.2	47.4	47.5	48.9	50.3	50.6	51.1	51.3	51.3	51.4	51.5	52.1	52.5	
GE 4000	45.8	47.9	51.1	52.3	52.5	53.8	55.3	55.6	56.1	56.2	56.2	56.4	56.5	57.0	57.4	
GE 3500	50.7	53.1	56.8	58.0	58.1	59.6	61.2	61.4	62.0	62.1	62.1	62.2	62.4	62.9	63.3	
GE 3000	54.6	57.2	61.0	62.4	62.9	64.5	66.5	66.8	67.5	67.6	67.6	67.7	67.9	68.4	68.8	
GE 2500	58.1	60.9	65.5	67.6	68.3	70.0	72.0	72.3	73.0	73.1	73.1	73.2	73.4	73.9	74.3	
GE 2000	61.0	64.1	68.7	71.6	72.3	74.2	76.2	76.4	77.1	77.2	77.2	77.4	77.5	78.0	78.4	
GE 1800	61.8	65.1	69.6	72.6	73.2	75.1	77.1	77.4	78.0	78.2	78.2	78.3	78.4	79.0	79.4	
GE 1500	63.7	66.9	72.2	75.4	76.2	78.4	80.5	80.7	81.5	81.7	81.8	81.9	82.1	82.6	83.0	
GE 1200	65.2	68.5	73.8	77.2	78.0	80.6	82.7	83.0	83.8	84.1	84.3	84.5	84.6	85.1	85.5	
GE 1000	66.1	69.5	75.5	79.0	79.8	82.3	84.6	85.1	86.1	86.3	86.6	86.7	86.9	87.4	87.8	
GE 900	67.1	70.5	76.8	80.3	81.1	83.7	85.9	86.6	87.7	88.0	88.2	88.4	88.5	89.0	89.4	
GE 800	67.6	71.1	77.4	80.9	81.7	84.3	86.6	87.4	88.6	88.9	89.2	89.4	89.6	90.1	90.5	
GE 700	68.4	71.9	78.7	82.5	83.5	86.2	88.8	89.6	90.8	91.0	91.3	91.6	91.7	92.2	92.6	
GE 600	68.4	71.9	79.0	82.9	84.1	86.9	89.4	90.2	91.4	91.7	92.1	92.5	92.8	93.3	94.0	
GE 500	68.4	71.9	79.0	82.9	84.1	86.9	89.7	90.6	91.8	92.1	92.5	92.9	93.2	93.7	94.4	
GE 400	68.4	71.9	79.0	83.1	84.6	87.6	90.5	91.4	92.8	93.0	93.4	93.8	94.1	94.6	95.6	
GE 300	68.5	72.0	79.1	83.3	84.7	87.7	90.6	91.6	93.4	93.7	94.1	94.9	95.2	95.7	96.8	
GE 200	68.5	72.0	79.1	83.3	84.7	87.7	90.8	92.1	94.1	94.5	95.0	95.9	96.3	96.8	98.8	
GE 100	68.5	72.0	79.1	83.3	84.7	87.7	90.8	92.1	94.1	94.5	95.0	96.3	96.8	97.3	99.7	
GE 0	68.5	72.2	79.4	83.5	85.0	88.0	91.0	92.4	94.4	94.8	95.3	96.5	97.1	97.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 747

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(IST): ALL

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		27.6	28.5	29.9	30.6	30.8	31.2	31.7	31.9	32.2	32.2	32.3	32.3	32.4	32.5	32.8
GE 20000		31.9	33.1	34.9	35.7	35.9	36.5	37.0	37.2	37.6	37.6	37.7	37.7	37.8	38.0	38.3
GE 18000		32.0	33.3	35.1	35.9	36.1	36.6	37.2	37.4	37.7	37.8	37.8	37.9	38.0	38.1	38.5
GE 16000		32.0	33.3	35.1	35.9	36.1	36.6	37.2	37.4	37.7	37.8	37.8	37.9	38.0	38.1	38.5
GE 14000		32.1	33.4	35.2	36.0	36.2	36.7	37.3	37.5	37.8	37.9	37.9	38.0	38.1	38.2	38.6
GE 12000		32.5	33.8	35.6	36.4	36.6	37.1	37.7	37.9	38.2	38.3	38.3	38.4	38.5	38.6	39.0
GE 10000		34.1	35.4	37.4	38.3	38.6	39.1	39.7	39.9	40.3	40.3	40.3	40.4	40.5	40.6	41.0
GE 9000		34.5	36.0	38.1	39.0	39.3	39.9	40.4	40.6	41.0	41.0	41.1	41.1	41.3	41.4	41.7
GE 8000		37.7	39.4	42.0	43.2	43.6	44.3	44.9	45.1	45.5	45.6	45.6	45.7	45.8	45.9	46.3
GE 7000		38.2	39.8	42.5	43.8	44.2	44.9	45.7	45.9	46.3	46.3	46.4	46.4	46.6	46.7	47.0
GE 6000		38.3	40.0	42.8	44.0	44.4	45.1	45.9	46.1	46.5	46.6	46.6	46.7	46.8	46.9	47.3
GE 5000		39.6	41.4	44.6	46.0	46.5	47.4	48.2	48.4	48.9	48.9	49.0	49.0	49.2	49.3	49.7
GE 4500		40.9	42.8	46.2	47.7	48.2	49.4	50.2	50.4	50.9	51.0	51.1	51.1	51.2	51.3	51.7
GE 4000		44.8	47.0	50.9	52.6	53.2	54.4	55.4	55.6	56.2	56.4	56.5	56.6	56.7	56.9	57.2
GE 3500		47.5	49.8	54.1	55.9	56.6	58.0	59.1	59.4	60.1	60.2	60.4	60.5	60.6	60.8	61.1
GE 3000		51.5	54.2	58.8	60.9	61.8	63.3	64.6	65.0	65.7	65.8	66.0	66.1	66.2	66.4	66.8
GE 2500		54.6	57.6	62.8	65.1	66.1	67.9	69.4	69.9	70.8	70.9	71.1	71.2	71.3	71.5	71.9
GE 2000		57.8	61.2	66.6	69.3	70.4	72.5	74.0	74.6	75.5	75.7	75.9	76.0	76.1	76.3	76.7
GE 1800		58.2	61.6	67.1	69.8	71.0	73.1	74.7	75.3	76.3	76.5	76.6	76.7	76.9	77.0	77.4
GE 1500		60.2	64.0	69.8	73.0	74.3	76.6	78.4	79.1	80.3	80.5	80.6	80.8	80.9	81.1	81.5
GE 1200		61.5	65.5	71.5	75.0	76.4	79.0	80.8	81.6	82.9	83.1	83.3	83.4	83.5	83.7	84.1
GE 1000		62.6	66.6	73.1	76.8	78.3	81.0	83.0	84.1	85.5	85.7	85.9	86.0	86.2	86.4	86.8
GE 900		63.1	67.3	74.0	77.8	79.3	82.0	84.1	85.1	86.6	86.8	87.1	87.2	87.3	87.5	88.0
GE 800		63.6	68.1	74.8	78.7	80.2	83.0	85.1	86.3	87.9	88.1	88.3	88.5	88.7	88.8	89.3
GE 700		64.3	68.9	75.9	79.9	81.6	84.5	86.7	88.0	89.7	89.9	90.2	90.4	90.6	90.8	91.2
GE 600		64.4	69.0	76.3	80.7	82.4	85.5	87.9	89.2	90.9	91.2	91.5	91.7	91.9	92.1	92.6
GE 500		64.4	69.0	76.5	81.0	82.7	86.0	88.6	90.0	91.9	92.2	92.7	92.9	93.1	93.3	93.8
GE 400		64.4	69.1	76.5	81.2	83.0	86.6	89.2	90.8	93.0	93.4	93.9	94.1	94.4	94.6	95.1
GE 300		64.4	69.1	76.5	81.3	83.2	86.8	89.6	91.2	93.6	94.2	94.9	95.3	95.9	96.1	96.9
GE 200		64.4	69.1	76.5	81.4	83.2	86.8	89.7	91.4	93.8	94.5	95.3	95.7	96.7	97.0	98.5
GE 100		64.4	69.1	76.5	81.4	83.2	86.8	89.7	91.4	93.9	94.6	95.4	95.9	97.1	97.7	99.9
GE 0		64.4	69.1	76.6	81.4	83.3	86.9	89.8	91.4	93.9	94.6	95.5	96.0	97.2	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 6186

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-79,82-87
MONTH: FEB HOURS(IST): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		24.6	25.6	28.8	29.8	31.8	34.1	35.1	35.3	35.8	36.3	36.8	37.1	37.1	37.1	37.6
GE 20000		25.8	27.1	30.8	32.1	34.1	36.3	37.3	37.6	38.1	38.6	39.1	39.3	39.3	39.3	39.8
GE 18000		25.8	27.1	30.8	32.1	34.1	36.3	37.3	37.6	38.1	38.6	39.1	39.3	39.3	39.3	39.8
GE 16000		25.8	27.1	30.8	32.1	34.1	36.3	37.3	37.6	38.1	38.6	39.1	39.3	39.3	39.3	39.8
GE 14000		25.3	27.1	30.8	32.1	34.1	36.3	37.3	37.6	38.1	38.6	39.1	39.3	39.3	39.3	39.8
GE 12000		25.8	27.1	30.8	32.1	34.1	36.3	37.3	37.6	38.1	38.6	39.1	39.3	39.3	39.3	39.8
GE 10000		26.1	27.3	31.6	32.8	34.8	37.1	38.1	38.3	38.8	39.3	39.8	40.1	40.1	40.1	40.6
GE 9000		26.6	27.8	32.1	33.3	35.3	37.6	38.6	38.8	39.3	39.8	40.4	40.6	40.6	40.6	41.1
GE 8000		28.3	29.8	34.3	35.6	37.6	39.8	40.9	41.1	41.6	42.1	42.6	42.9	42.9	42.9	43.4
GE 7000		28.3	29.8	34.6	36.3	38.3	40.6	41.6	41.9	42.4	42.9	43.4	43.6	43.6	43.6	44.1
GE 6000		28.3	29.8	34.6	36.3	38.3	40.6	41.6	41.9	42.4	42.9	43.4	43.6	43.6	43.6	44.1
GE 5000		30.6	32.1	36.8	38.6	40.6	42.9	43.9	44.1	44.6	45.1	45.6	45.9	45.9	45.9	46.4
GE 4500		31.6	33.3	38.3	40.1	42.1	44.4	45.4	45.6	46.1	46.6	47.1	47.4	47.4	47.4	47.9
GE 4000		33.6	35.6	41.1	42.9	45.1	47.4	48.6	48.9	49.4	49.9	50.4	50.6	50.6	50.6	51.1
GE 3500		38.6	41.4	47.6	49.9	52.1	54.4	55.6	56.4	56.9	57.4	57.9	58.1	58.1	58.1	58.6
GE 3000		44.1	47.6	54.4	56.6	59.1	61.4	62.7	63.4	63.9	64.4	64.9	65.2	65.2	65.2	65.7
GE 2500		48.4	52.4	59.1	61.4	63.9	66.2	67.4	68.2	68.7	69.2	69.7	69.9	69.9	69.9	70.4
GE 2000		51.1	55.4	63.7	66.2	68.7	71.2	72.4	73.2	73.7	74.2	74.7	74.9	74.9	74.9	75.4
GE 1800		51.1	55.4	63.7	66.2	68.7	71.2	72.4	73.2	73.7	74.2	74.7	74.9	74.9	74.9	75.4
GE 1500		51.6	56.1	64.9	69.4	71.9	74.7	76.2	77.4	77.9	78.4	78.9	79.2	79.2	79.2	79.7
GE 1200		52.9	57.6	66.9	71.4	73.9	76.7	78.2	79.4	79.9	80.5	81.0	81.2	81.2	81.2	81.7
GE 1000		53.1	58.4	67.9	72.7	75.7	78.4	79.9	81.5	82.0	82.5	83.0	83.2	83.2	83.2	84.0
GE 900		53.1	58.4	67.9	72.7	75.7	78.4	79.9	81.7	82.2	82.7	83.2	83.7	83.7	83.7	84.5
GE 800		53.6	58.9	68.4	73.4	76.4	79.2	81.7	82.5	83.0	83.5	84.0	84.7	84.7	84.7	85.5
GE 700		53.9	59.4	69.7	75.9	79.2	82.0	83.5	85.2	86.2	86.7	87.2	88.0	88.0	88.0	88.7
GE 600		53.9	59.6	70.2	76.4	79.7	82.5	84.0	86.2	87.2	88.0	89.0	89.7	89.7	89.7	90.7
GE 500		53.9	59.6	70.2	76.7	79.9	82.7	84.2	86.5	87.5	88.2	89.2	90.2	90.2	90.2	91.2
GE 400		53.9	59.6	70.2	77.4	81.0	83.7	86.0	88.2	89.2	90.7	91.7	93.0	93.2	93.2	94.2
GE 300		53.9	59.6	70.2	77.4	81.0	83.7	86.0	88.2	89.2	91.2	92.2	94.0	94.2	94.2	95.2
GE 200		53.9	59.6	70.2	77.4	81.0	83.7	86.0	88.2	89.2	91.2	92.5	94.5	95.2	95.2	97.5
GE 100		53.9	59.6	70.2	77.4	81.0	83.7	86.0	88.2	89.2	91.2	92.5	94.5	95.2	95.2	100.0
GE 01		53.9	59.6	70.2	77.4	81.0	83.7	86.0	88.2	89.2	91.2	92.5	94.5	95.2	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 399

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	20.1	21.3	26.7	29.0	29.8	30.5	31.1	31.2	31.5	31.7	31.8	32.3	32.4	32.4	33.7	
GE 20000	21.3	22.4	28.7	31.8	32.6	33.3	33.9	34.0	34.3	34.5	34.6	35.0	35.2	35.2	36.5	
GE 18000	21.4	22.6	28.9	32.0	32.7	33.4	34.0	34.2	34.5	34.6	34.8	35.2	35.3	35.3	36.7	
GE 16000	21.4	22.6	28.9	32.0	32.7	33.4	34.0	34.2	34.5	34.6	34.8	35.2	35.3	35.3	36.7	
GE 14000	21.4	22.6	28.9	32.0	32.7	33.4	34.0	34.2	34.5	34.6	34.8	35.2	35.3	35.3	36.7	
GE 12000	21.4	22.6	28.9	32.0	32.7	33.4	34.0	34.2	34.5	34.6	34.8	35.2	35.3	35.3	36.7	
GE 10000	22.0	23.2	29.5	32.6	33.3	34.0	34.6	34.8	35.0	35.2	35.3	35.8	35.9	35.9	37.2	
GE 9000	22.7	23.9	30.2	33.3	34.0	34.8	35.3	35.5	35.8	35.9	36.1	36.5	36.7	36.7	38.0	
GE 8000	24.0	25.4	32.4	35.5	36.2	37.0	37.5	37.7	38.0	38.1	38.3	38.7	38.9	39.1	40.2	
GE 7000	24.2	25.5	32.6	35.8	36.5	37.2	37.8	38.0	38.3	38.4	38.6	39.0	39.1	39.1	40.5	
GE 6000	24.2	25.5	32.8	36.2	37.0	37.7	38.3	38.4	38.7	38.9	39.0	39.4	39.6	39.6	40.9	
GE 5000	25.2	26.5	34.8	38.1	38.9	39.6	40.2	40.3	40.6	40.8	40.9	41.3	41.5	41.5	42.8	
GE 4500	26.2	27.6	36.5	40.2	41.1	41.8	42.4	42.5	42.8	43.0	43.1	43.5	43.7	43.7	45.0	
GE 4000	29.0	30.4	40.3	44.4	45.5	46.2	47.1	47.4	47.9	48.1	48.2	48.7	48.8	48.8	50.1	
GE 3500	30.9	32.8	43.4	47.8	49.0	50.0	50.9	51.2	51.8	51.9	52.1	52.5	52.6	52.6	54.0	
GE 3000	35.6	38.7	50.4	55.7	56.9	57.9	59.1	59.4	60.1	60.3	60.4	60.9	61.0	61.0	62.3	
GE 2500	40.0	43.4	55.1	60.4	61.6	62.8	63.9	64.4	65.1	65.2	65.4	65.8	66.0	66.0	67.3	
GE 2000	42.2	46.2	58.4	64.1	65.4	66.6	67.7	68.2	69.4	69.5	69.6	70.1	70.2	70.2	71.6	
GE 1800	42.4	46.5	59.1	64.8	66.1	67.4	68.6	69.1	70.2	70.4	70.5	71.0	71.1	71.1	72.4	
GE 1500	44.1	48.7	62.0	68.6	70.2	72.0	73.5	73.9	75.4	75.5	75.7	76.1	76.2	76.2	77.6	
GE 1200	45.6	50.4	65.0	72.0	73.6	75.4	77.0	77.4	79.9	80.2	80.4	80.8	80.9	80.9	82.3	
GE 1000	46.0	51.6	66.4	73.5	75.1	76.8	78.4	78.9	81.4	81.7	81.8	82.3	82.4	82.4	83.7	
GE 900	46.6	52.2	67.0	74.2	75.8	77.6	79.2	79.6	82.3	82.6	82.7	83.1	83.3	83.3	84.6	
GE 800	46.6	52.5	67.4	75.1	76.7	78.4	80.1	80.5	83.3	83.6	83.7	84.2	84.3	84.3	85.6	
GE 700	47.2	53.4	68.6	76.5	78.3	80.4	82.0	82.4	85.2	85.5	85.6	86.1	86.2	86.2	87.5	
GE 600	47.4	53.5	69.1	77.1	78.9	80.9	82.6	83.4	86.2	86.8	87.0	87.4	87.5	87.5	88.9	
GE 500	47.4	53.7	69.2	77.3	79.2	81.2	82.8	83.7	86.7	87.2	87.4	88.3	88.4	88.4	89.7	
GE 400	47.4	53.8	69.5	77.6	79.6	81.7	84.0	85.0	88.3	89.4	89.6	90.5	90.6	90.6	92.1	
GE 300	47.4	53.8	69.5	77.7	79.8	82.1	84.5	85.8	89.7	90.9	91.1	91.9	92.1	92.5	94.4	
GE 200	47.4	53.8	69.5	77.7	79.8	82.3	84.6	85.9	90.6	91.9	91.9	93.0	94.0	94.6	97.4	
GE 100	47.4	53.8	69.5	77.7	79.8	82.3	84.6	86.1	90.8	91.9	92.1	93.1	95.2	95.7	99.7	
GE 0	47.4	53.8	69.5	77.7	79.8	82.3	84.6	86.1	90.8	91.9	92.1	93.1	95.2	95.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 682

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS (LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		17.2	19.6	22.8	23.4	24.3	26.2	26.4	27.2	28.9	29.1	29.2	29.5	29.6	29.9	31.1
GE 20000		19.5	22.0	25.9	26.6	27.8	30.0	30.4	31.2	32.9	33.2	33.3	33.6	33.7	33.9	35.1
GE 18000		19.5	22.0	25.9	26.6	27.8	30.0	30.4	31.2	32.9	33.2	33.3	33.6	33.7	33.9	35.1
GE 16000		19.5	22.0	25.9	26.6	27.8	30.0	30.4	31.2	32.9	33.2	33.3	33.6	33.7	33.9	35.1
GE 14000		19.5	22.0	25.9	26.6	27.8	30.0	30.4	31.2	32.9	33.2	33.3	33.6	33.7	33.9	35.1
GE 12000		19.5	22.0	25.9	26.6	27.8	30.0	30.4	31.2	32.9	33.2	33.3	33.6	33.7	33.9	35.1
GE 10000		19.9	22.4	26.3	27.0	28.2	30.4	30.8	31.6	33.4	33.7	33.8	34.1	34.2	34.5	35.7
GE 9000		20.1	22.6	26.6	27.2	28.4	30.7	31.1	31.8	33.7	33.9	34.1	34.3	34.5	34.7	35.9
GE 8000		21.8	24.3	28.8	29.5	30.7	33.0	33.7	34.5	36.3	36.6	36.7	37.0	37.1	37.4	38.6
GE 7000		22.4	24.9	29.3	30.1	31.3	33.7	34.5	35.3	37.1	37.4	37.5	37.8	37.9	38.2	39.3
GE 6000		22.4	24.9	29.3	30.1	31.3	33.7	34.5	35.3	37.1	37.4	37.5	37.8	37.9	38.2	39.3
GE 5000		23.3	25.8	30.7	31.6	32.8	35.1	35.9	36.8	38.7	38.9	39.1	39.3	39.5	39.7	40.9
GE 4500		24.2	27.0	32.8	33.8	35.0	37.5	38.4	39.3	41.3	41.6	41.7	42.0	42.1	42.4	43.6
GE 4000		26.4	29.7	36.2	37.5	38.9	41.8	42.8	43.7	45.7	45.9	46.1	46.3	46.4	46.7	47.9
GE 3500		28.4	32.1	39.3	40.9	42.5	45.5	47.1	48.0	50.1	50.4	50.5	50.8	50.9	51.2	52.4
GE 3000		31.2	35.0	43.0	45.1	47.1	50.4	52.2	53.3	55.7	55.9	56.1	56.3	56.6	56.8	58.0
GE 2500		35.5	39.9	48.7	51.1	53.4	56.8	58.8	60.0	62.6	62.9	63.0	63.3	63.6	63.8	65.0
GE 2000		37.5	42.1	51.8	54.5	57.0	60.8	62.8	63.9	66.6	67.0	67.1	67.4	67.9	68.2	69.3
GE 1800		37.8	42.4	52.4	55.0	57.6	61.6	63.6	64.7	67.4	67.8	67.9	68.2	68.7	68.9	70.1
GE 1500		39.6	44.5	54.9	57.9	60.8	64.9	66.8	68.0	70.8	71.2	71.3	71.6	72.1	72.4	73.6
GE 1200		40.5	45.8	56.8	60.3	63.2	67.5	69.9	71.1	73.9	74.3	74.5	74.9	75.4	75.7	77.0
GE 1000		41.3	46.7	57.9	61.3	64.2	68.6	71.1	72.4	75.9	76.4	76.6	77.0	77.5	77.8	79.1
GE 900		41.6	47.0	58.7	62.1	65.0	69.5	72.0	73.3	76.8	77.8	77.9	78.4	78.9	79.2	80.5
GE 800		42.0	47.6	59.6	63.2	66.2	70.8	73.3	74.6	78.8	79.7	79.9	80.5	81.1	81.3	82.6
GE 700		42.4	48.7	61.1	65.1	68.3	73.2	75.9	77.2	81.4	82.4	82.5	83.2	83.7	83.9	85.3
GE 600		42.4	48.8	61.6	65.9	69.1	74.2	77.1	78.7	83.0	83.9	84.1	84.7	85.3	85.5	86.8
GE 500		42.4	48.8	61.7	66.2	69.5	74.7	77.9	79.5	83.9	84.9	85.0	85.7	86.2	86.4	88.0
GE 400		42.4	48.8	61.8	66.3	69.6	75.0	78.7	80.4	85.7	86.7	86.8	87.6	88.3	88.7	90.9
GE 300		42.4	48.8	61.8	66.3	69.7	75.3	79.2	81.1	87.0	88.3	88.4	89.2	89.9	90.3	92.8
GE 200		42.4	48.8	61.8	66.3	69.7	75.4	79.3	81.2	87.4	88.7	88.9	89.0	91.6	92.5	96.1
GE 100		42.4	48.8	61.8	66.3	69.7	75.5	79.5	81.3	87.6	88.9	89.2	90.4	93.0	94.6	100.0
GE 0		42.4	48.8	61.8	66.3	69.7	75.5	79.5	81.3	87.6	88.9	89.2	90.4	93.0	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 760

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: FEB

HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL			14.0	15.0	17.7	19.2	19.7	21.4	21.9	22.6	23.0	23.1	23.1	23.2	23.8	24.2	25.1
GE 20000			17.4	19.0	22.4	24.6	25.2	27.2	28.0	28.8	29.4	29.5	29.6	29.8	30.4	30.8	31.8
GE 18000			17.5	19.2	22.6	24.7	25.3	27.4	28.1	28.9	29.5	29.6	29.8	29.9	30.5	30.9	31.9
GE 16000			17.5	19.2	22.6	24.7	25.3	27.4	28.1	28.9	29.5	29.6	29.8	29.9	30.5	30.9	31.9
GE 14000			17.5	19.2	22.6	24.7	25.3	27.4	28.1	28.9	29.5	29.6	29.8	29.9	30.5	30.9	31.9
GE 12000			17.8	19.5	23.1	25.3	26.0	28.0	28.8	29.5	30.1	30.3	30.4	30.5	31.1	31.5	32.5
GE 10000			19.4	21.3	25.1	27.4	28.1	30.1	30.9	31.7	32.3	32.4	32.5	32.7	33.3	33.7	34.7
GE 9000			20.2	22.1	25.9	28.2	29.1	31.3	32.0	32.8	33.4	33.5	33.7	33.8	34.4	34.8	35.8
GE 8000			24.5	26.4	30.4	32.8	33.8	35.9	36.9	37.7	38.3	38.5	38.6	38.7	39.3	39.7	40.7
GE 7000			25.5	27.4	31.5	34.2	35.2	37.3	38.3	39.1	39.7	39.8	40.0	40.1	40.7	41.1	42.1
GE 6000			25.6	27.5	31.8	34.4	35.4	37.7	38.7	39.5	40.1	40.2	40.4	40.5	41.1	41.5	42.5
GE 5000			27.2	29.3	33.5	36.4	37.5	39.7	41.0	41.7	42.4	42.5	42.6	42.7	43.4	43.8	44.8
GE 4500			28.2	30.3	34.9	38.3	39.5	41.7	43.1	44.1	44.8	44.9	45.0	45.1	45.8	46.2	47.2
GE 4000			30.6	33.4	38.7	42.4	43.6	46.3	47.7	48.8	49.4	49.6	49.7	49.8	50.4	50.8	51.8
GE 3500			32.9	36.4	42.4	46.0	47.8	50.8	52.3	53.5	54.1	54.4	54.5	54.6	55.2	55.6	56.6
GE 3000			35.4	39.1	46.0	49.9	52.0	55.7	57.5	58.6	59.5	59.8	59.9	60.0	60.7	61.0	62.0
GE 2500			37.8	41.9	49.1	53.2	55.2	59.1	61.0	62.4	63.7	63.9	64.1	64.2	64.8	65.2	66.2
GE 2000			39.8	44.1	52.3	56.6	58.8	63.1	65.1	66.6	68.2	68.6	68.9	69.1	69.7	70.1	71.1
GE 1800			40.0	44.3	52.5	56.7	58.9	63.2	65.2	66.7	68.3	68.7	69.0	69.2	69.9	70.2	71.2
GE 1500			40.9	45.1	54.1	58.8	61.0	65.7	68.2	69.7	71.8	72.1	72.4	72.8	73.4	73.8	74.8
GE 1200			41.6	46.3	56.2	61.2	63.8	68.5	71.8	73.8	76.2	76.5	76.9	77.3	77.9	78.3	79.3
GE 1000			42.2	47.0	57.4	62.5	65.4	70.2	73.8	75.8	78.4	79.1	79.8	80.2	80.8	81.2	82.2
GE 900			42.5	47.4	57.9	63.2	66.1	71.0	74.5	76.8	79.6	80.6	81.7	82.2	82.8	83.2	84.2
GE 800			42.5	47.4	58.0	63.6	66.8	72.1	75.7	77.9	81.0	82.0	83.1	83.7	84.4	84.7	85.8
GE 700			42.9	47.8	58.6	64.6	68.0	73.8	77.8	80.1	83.4	84.4	85.5	86.1	86.8	87.1	88.1
GE 600			43.1	48.2	59.0	65.1	68.5	74.4	78.8	81.1	84.6	85.6	86.8	87.6	88.4	88.8	89.8
GE 500			43.1	48.2	59.0	65.2	68.6	74.7	79.6	82.0	85.9	86.9	88.1	89.0	89.8	90.2	91.2
GE 400			43.1	48.2	59.0	65.2	68.6	74.8	79.8	82.6	86.9	88.1	89.4	90.3	91.0	91.4	92.4
GE 300			43.1	48.2	59.0	65.3	68.7	74.9	79.9	83.1	87.6	89.3	91.0	92.1	93.2	93.6	95.7
GE 200			43.1	48.2	59.0	65.3	68.7	74.9	79.9	83.1	87.6	89.4	91.2	92.4	94.6	95.6	97.9
GE 100			43.1	48.2	59.0	65.3	68.7	74.9	79.9	83.1	87.6	89.4	91.2	92.4	95.0	96.3	99.9
GE 0			43.1	48.2	59.0	65.3	68.7	74.9	79.9	83.1	87.6	89.4	91.2	92.4	95.0	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		17.1	18.9	21.1	22.7	22.8	23.6	23.9	24.0	24.0	24.0	24.1	24.1	24.1	24.1	24.3
GE 20000		21.5	24.6	28.4	30.2	30.8	32.1	32.5	32.6	32.6	32.6	32.7	32.7	32.7	32.7	33.3
GE 18700		21.8	25.1	29.0	30.8	31.4	32.7	33.1	33.2	33.2	33.2	33.3	33.3	33.3	33.3	33.9
GE 16700		21.8	25.1	29.0	30.9	31.5	32.8	33.2	33.3	33.3	33.3	33.4	33.4	33.4	33.4	34.0
GE 14000		22.1	25.3	29.2	31.1	31.7	33.1	33.4	33.5	33.5	33.5	33.7	33.7	33.7	33.7	34.2
GE 12000		22.4	25.7	29.6	31.6	32.3	33.7	34.0	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.8
GE 10000		24.7	28.2	32.1	34.1	34.8	36.3	36.8	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.6
GE 9000		24.8	28.4	32.6	34.7	35.4	36.9	37.4	37.5	37.5	37.5	37.6	37.6	37.6	37.6	38.2
GE 8000		28.4	32.3	36.9	39.0	39.7	41.2	41.9	42.0	42.0	42.1	42.2	42.2	42.2	42.2	42.8
GE 7000		29.0	32.9	37.6	39.7	40.6	42.0	42.7	42.8	42.8	43.0	43.1	43.1	43.1	43.1	43.7
GE 6000		29.2	33.2	37.8	40.0	40.8	42.2	43.0	43.1	43.2	43.3	43.4	43.4	43.4	43.4	44.0
GE 5000		30.6	35.0	39.9	42.0	42.8	44.4	45.3	45.5	45.6	45.7	45.8	45.8	45.8	45.8	46.4
GE 4500		32.6	36.9	41.9	44.2	45.0	46.8	47.7	47.9	48.2	48.3	48.4	48.4	48.4	48.4	49.0
GE 4000		37.0	41.5	47.1	49.5	50.5	52.5	53.8	53.9	54.3	54.4	54.5	54.5	54.5	54.5	55.1
GE 3500		40.1	45.2	51.0	53.3	54.3	56.6	58.1	58.2	58.6	58.7	58.8	58.8	58.8	58.8	59.4
GE 3000		45.5	51.0	57.5	60.0	61.0	63.5	65.4	65.6	66.0	66.1	66.2	66.2	66.2	66.2	66.8
GE 2500		47.3	53.0	59.8	62.3	63.2	65.8	67.9	68.3	68.7	68.9	69.0	69.0	69.0	69.0	69.6
GE 2000		49.5	55.7	63.0	65.8	66.8	69.6	71.7	72.1	72.9	73.0	73.2	73.2	73.2	73.2	73.7
GE 1800		49.8	56.1	63.4	66.1	67.2	69.9	72.1	72.4	73.3	73.4	73.5	73.5	73.5	73.5	74.1
GE 1500		51.7	58.2	65.6	68.9	69.9	72.8	75.3	75.7	76.5	76.6	76.7	76.7	76.7	76.7	77.3
GE 1200		53.2	60.3	68.6	72.7	74.0	77.7	80.9	81.5	82.6	82.7	82.8	82.8	82.8	82.8	83.4
GE 1000		53.8	61.2	69.6	74.2	75.7	79.5	82.8	83.4	84.5	84.6	84.8	84.8	84.8	84.8	85.4
GE 900		53.8	61.2	69.7	74.5	75.9	79.7	83.1	83.7	85.0	85.2	85.6	85.6	85.6	85.6	86.2
GE 800		54.1	61.5	70.3	75.2	76.6	80.5	84.2	85.0	86.4	86.8	87.1	87.1	87.1	87.1	87.7
GE 700		54.2	61.6	70.6	75.7	77.4	82.0	86.5	87.2	88.9	89.3	89.7	89.7	89.9	89.9	90.5
GE 600		54.3	61.7	70.8	75.9	77.8	82.5	87.5	88.7	90.6	90.9	91.4	91.4	91.6	91.6	92.2
GE 500		54.3	61.8	71.0	76.3	78.3	83.2	88.4	89.7	91.9	92.7	93.4	93.4	93.9	93.9	94.5
GE 400		54.3	61.8	71.0	76.3	78.3	83.4	88.9	90.5	93.1	94.0	94.9	95.1	95.6	95.6	96.2
GE 300		54.3	61.8	71.0	76.3	78.3	83.4	89.0	90.7	93.9	95.0	95.9	96.2	96.8	96.8	98.0
GE 200		54.3	61.8	71.0	76.3	78.3	83.4	89.0	90.9	94.4	95.5	96.5	96.8	97.5	97.6	98.8
GE 100		54.3	61.8	71.0	76.3	78.3	83.4	89.0	90.9	94.4	95.5	96.5	96.8	97.7	98.0	99.8
GE 0		54.3	61.8	71.0	76.3	78.3	83.4	89.0	90.9	94.4	95.5	96.5	96.8	97.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 838

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(IST): 1500-1700

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		20.7	22.2	24.7	25.9	26.2	26.4	26.9	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0
GE 20000		26.9	29.0	32.7	34.5	34.9	35.5	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.3
GE 18000		26.9	29.0	32.7	34.6	35.0	35.7	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.6
GE 16000		26.9	29.0	32.7	34.6	35.0	35.7	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.6
GE 14000		27.0	29.2	32.9	34.8	35.1	35.8	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.7
GE 12000		27.1	29.3	33.0	35.0	35.4	36.1	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.9
GE 10000		28.7	30.9	34.6	36.7	37.0	37.9	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.8
GE 9000		28.9	31.2	35.0	37.0	37.4	38.2	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	39.2
GE 8000		32.3	34.9	39.3	41.5	41.9	42.8	43.4	43.4	43.5	43.5	43.5	43.5	43.6	43.6	43.8
GE 7000		32.6	35.2	39.9	42.1	42.5	43.4	44.0	44.0	44.1	44.1	44.1	44.1	44.2	44.2	44.4
GE 6000		32.7	35.4	40.0	42.2	42.7	43.5	44.1	44.1	44.2	44.2	44.2	44.2	44.3	44.3	44.6
GE 5000		33.9	36.6	41.5	43.7	44.2	45.0	45.8	45.8	46.0	46.0	46.0	46.0	46.1	46.1	46.4
GE 4500		35.4	38.1	43.1	45.4	45.9	46.8	47.6	47.6	47.8	47.8	47.8	47.8	47.9	47.9	48.1
GE 4000		40.0	43.0	48.1	50.4	51.4	52.7	53.5	53.5	53.8	53.8	53.9	54.0	54.1	54.1	54.4
GE 3500		44.2	47.7	53.3	55.6	56.6	58.1	59.1	59.1	59.4	59.4	59.5	59.6	59.7	59.7	60.0
GE 3000		48.9	52.7	59.1	61.9	63.3	65.0	66.1	66.2	66.7	66.7	66.8	66.9	67.0	67.0	67.3
GE 2500		50.9	55.2	62.1	64.9	66.7	68.3	69.5	69.7	70.1	70.1	70.3	70.4	70.5	70.5	70.7
GE 2000		52.2	56.8	64.9	68.1	70.3	72.0	73.2	73.7	74.3	74.4	74.6	74.7	74.8	74.8	75.0
GE 1800		52.2	56.8	65.1	68.3	70.5	72.3	73.6	74.1	74.8	74.9	75.0	75.1	75.3	75.3	75.5
GE 1500		54.4	59.5	68.8	72.3	74.7	77.1	79.0	79.7	80.4	80.5	80.6	80.8	80.9	80.9	81.1
GE 1200		55.4	60.7	70.5	74.1	76.6	79.7	82.0	82.7	83.5	83.6	83.8	83.9	84.0	84.0	84.2
GE 1000		55.9	61.3	71.7	75.4	77.9	81.1	83.6	84.5	85.4	85.5	85.8	86.1	86.3	86.3	86.5
GE 900		55.9	61.3	71.9	75.6	78.1	81.4	84.0	84.8	85.8	85.9	86.1	86.5	86.7	86.7	87.0
GE 800		56.0	61.4	72.2	76.1	78.6	82.0	84.8	85.9	86.9	87.0	87.2	87.6	87.8	87.8	88.1
GE 700		56.4	62.0	72.8	77.7	80.8	84.5	87.9	89.4	90.4	90.7	90.9	91.3	92.2	92.2	92.5
GE 600		56.6	62.4	73.2	78.3	81.5	85.2	89.1	90.8	92.8	93.2	93.7	94.0	95.0	95.0	95.2
GE 500		56.6	62.4	73.2	78.3	81.7	85.5	89.6	91.3	93.7	94.3	94.7	95.1	96.2	96.2	96.4
GE 400		56.6	62.4	73.2	78.4	82.0	85.8	90.0	91.6	94.0	94.7	95.6	95.9	97.0	97.0	97.3
GE 300		56.6	62.4	73.2	78.4	82.0	85.8	90.1	91.8	94.5	95.3	96.4	97.0	98.4	98.4	99.0
GE 200		56.6	62.4	73.2	78.4	82.0	85.8	90.1	91.8	94.5	95.3	96.5	97.4	98.8	98.9	99.5
GE 100		56.6	62.4	73.2	78.4	82.0	85.8	90.1	91.8	94.5	95.3	96.5	97.4	98.9	99.0	100.0
GE 0		56.6	62.4	73.2	78.4	82.0	85.8	90.1	91.8	94.5	95.3	96.5	97.4	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(IST): 1800-2400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1		22.4	24.8	27.4	28.5	28.7	29.5	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	31.3
GE 20000	1		26.1	29.5	32.8	34.5	34.9	36.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	38.3
GE 18000	1		26.1	29.5	32.8	34.5	34.9	36.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	38.3
GE 16000	1		26.1	29.5	32.8	34.5	34.9	36.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	38.3
GE 14000	1		26.5	29.9	33.2	34.9	35.3	36.9	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.7
GE 12000	1		26.7	30.1	33.3	35.0	35.5	37.0	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.9
GE 10000	1		27.4	31.1	34.3	36.2	36.9	38.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	40.3
GE 9000	1		27.4	31.1	34.3	36.2	36.9	38.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	40.3
GE 8000	1		31.1	34.8	38.4	40.4	41.4	43.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	45.1
GE 7000	1		31.9	35.6	39.6	41.6	42.6	44.4	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.8
GE 6000	1		32.2	36.0	40.0	42.0	43.0	44.8	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	47.2
GE 5000	1		32.6	36.6	40.9	42.8	43.8	45.8	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	48.2
GE 4500	1		33.6	37.7	42.4	44.4	45.4	47.4	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.8
GE 4000	1		37.9	42.8	47.9	50.5	51.5	53.9	55.7	55.7	55.7	55.7	55.7	55.7	55.9	55.9	56.5
GE 3500	1		41.7	47.2	53.2	56.2	57.3	60.1	62.1	62.1	62.1	62.1	62.3	62.3	62.4	62.4	63.0
GE 3000	1		45.5	51.6	58.4	61.7	63.1	66.0	67.9	67.9	68.2	68.2	68.4	68.4	68.5	68.5	69.1
GE 2500	1		47.0	53.3	60.6	64.1	66.0	68.8	71.2	71.2	71.5	71.5	71.6	71.6	71.8	71.8	72.3
GE 2000	1		47.8	54.6	62.8	67.1	69.1	72.2	75.3	75.3	75.6	75.6	75.7	75.7	75.9	75.9	76.5
GE 1800	1		47.9	54.8	63.3	67.8	69.8	73.2	76.3	76.3	76.6	76.6	76.7	76.7	76.9	76.9	77.4
GE 1500	1		49.1	56.5	65.5	71.2	73.3	77.2	81.0	81.0	81.3	81.3	81.4	81.4	81.6	81.6	82.1
GE 1200	1		50.4	58.2	67.5	73.2	75.3	79.9	84.1	84.1	84.5	84.5	84.7	84.7	84.8	84.8	85.4
GE 1000	1		50.6	58.6	68.8	74.5	76.6	81.3	85.5	85.5	86.0	86.0	86.1	86.1	86.2	86.2	87.0
GE 900	1		50.6	58.6	68.8	74.5	76.6	81.6	85.8	85.8	86.2	86.2	86.4	86.4	86.5	86.5	87.2
GE 800	1		50.8	58.9	69.2	75.2	77.3	82.4	87.2	87.2	87.8	87.8	88.1	88.2	88.4	88.5	89.2
GE 700	1		50.9	59.0	69.5	76.2	78.4	83.7	88.5	88.5	89.1	89.4	89.6	89.8	90.1	90.1	90.8
GE 600	1		51.3	59.4	69.9	76.6	78.9	84.1	89.2	89.4	90.2	90.5	91.1	91.3	91.9	91.9	92.6
GE 500	1		51.5	59.6	70.4	77.3	79.6	85.0	90.2	90.4	91.3	91.8	92.8	93.2	94.3	94.3	95.0
GE 400	1		51.5	59.6	70.4	77.6	79.9	85.4	90.8	90.9	91.9	92.5	94.0	94.5	96.0	96.0	96.9
GE 300	1		51.5	59.6	70.4	77.6	79.9	85.4	90.8	91.1	92.1	92.6	94.2	94.6	96.7	96.7	97.9
GE 200	1		51.5	59.6	70.4	77.6	79.9	85.4	90.8	91.1	92.1	92.8	94.3	94.8	96.9	97.0	98.6
GE 100	1		51.5	59.6	70.4	77.6	79.9	85.4	90.8	91.1	92.1	92.8	94.5	94.9	97.6	97.7	100.0
GE 0	1		51.5	59.6	70.4	77.6	79.9	85.4	90.8	91.1	92.1	92.8	94.5	94.9	97.6	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 705

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(IST): 2103-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		23.8	26.5	30.4	33.5	34.6	34.9	35.7	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	
GE 20000		25.7	29.1	34.1	37.6	38.9	39.2	39.9	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.8	
GE 18000		25.7	29.1	34.1	37.6	38.9	39.2	39.9	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.8	
GE 16000		25.7	29.1	34.1	37.6	38.9	39.2	39.9	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.8	
GE 14000		25.9	29.2	34.2	37.7	39.0	39.3	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.9	
GE 12000		26.0	29.4	34.4	37.9	39.2	39.5	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	41.1	
GE 10000		26.6	30.0	34.9	38.6	40.1	40.5	41.2	41.7	41.7	41.7	41.7	41.7	41.7	41.7	42.1	
GE 9000		26.6	30.0	34.9	38.6	40.1	40.5	41.2	41.7	41.7	41.7	41.7	41.7	41.7	41.7	42.1	
GE 8000		29.5	33.2	38.5	42.3	43.9	44.6	45.3	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.5	
GE 7000		29.8	33.5	38.9	42.7	44.3	45.0	46.1	46.8	46.8	46.8	46.8	46.8	46.8	46.8	47.2	
GE 6000		29.8	33.8	39.2	43.0	44.6	45.3	46.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.5	
GE 5000		30.7	34.8	40.2	44.0	45.6	46.3	47.4	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.5	
GE 4500		32.3	36.4	42.4	46.2	47.8	48.8	49.9	50.6	50.6	50.6	50.6	50.6	50.6	50.6	51.0	
GE 4000		35.7	39.9	46.8	51.3	53.1	54.2	55.3	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.7	
GE 3500		38.6	42.8	50.3	54.8	56.6	57.7	58.9	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.5	
GE 3000		42.4	47.1	54.8	59.4	61.7	62.9	64.0	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.6	
GE 2500		44.2	48.8	57.5	62.3	65.4	66.7	67.8	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.4	
GE 2000		47.1	52.2	62.1	68.1	71.3	72.8	74.6	75.3	75.7	75.7	75.7	75.7	75.7	75.7	76.2	
GE 1800		47.2	52.3	62.3	68.3	71.5	73.0	75.1	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.8	
GE 1500		48.5	53.7	64.2	71.1	74.3	76.2	78.7	79.4	80.0	80.0	80.0	80.1	80.1	80.1	80.6	
GE 1200		50.6	55.8	67.3	74.3	77.5	79.7	82.7	83.6	84.2	84.2	84.2	84.4	84.4	84.4	84.8	
GE 1000		51.0	56.6	68.6	75.9	79.2	81.4	84.6	85.7	86.3	86.3	86.3	86.4	86.4	86.4	87.3	
GE 900		51.0	56.7	68.9	76.2	79.5	81.7	84.9	86.0	86.5	86.5	86.5	86.7	86.7	86.7	87.6	
GE 800		51.8	57.5	70.0	77.3	80.7	82.9	86.1	87.4	88.0	88.0	88.0	88.2	88.3	88.3	89.2	
GE 700		51.9	57.9	70.6	78.7	82.2	84.4	88.2	89.6	90.4	90.4	90.4	90.5	90.6	90.6	91.5	
GE 600		52.0	58.0	70.8	78.8	82.3	84.5	88.3	89.8	90.5	90.5	90.6	91.4	91.5	91.5	92.4	
GE 500		52.0	58.0	70.9	79.1	82.6	85.1	89.0	90.5	91.2	91.2	91.4	92.3	92.7	92.7	93.6	
GE 400		52.0	58.0	71.1	79.4	82.9	85.7	89.6	91.1	92.0	92.4	93.1	94.0	94.9	94.9	95.9	
GE 300		52.0	58.0	71.1	79.4	82.9	85.7	89.6	91.1	92.0	92.4	93.1	94.4	95.6	95.8	97.2	
GE 200		52.0	58.0	71.1	79.4	82.9	85.7	89.6	91.2	92.1	92.5	93.6	95.5	97.1	97.4	99.3	
GE 100		52.0	58.0	71.1	79.4	82.9	85.7	89.6	91.2	92.1	92.5	93.6	95.5	97.2	98.0	100.0	
GE 0		52.0	58.0	71.1	79.4	82.9	85.7	89.6	91.2	92.1	92.5	93.6	95.5	97.2	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 684

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: Q35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(IST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	3	0
NO CEIL		19.6	21.3	24.5	26.0	26.7	27.7	28.3	28.6	29.0	29.1	29.2	29.3	29.4	29.5	30.1	
GE 20000		22.8	25.2	29.3	31.3	32.1	33.5	34.1	34.5	34.9	35.0	35.1	35.2	35.3	35.4	36.1	
GE 18000		22.9	25.3	29.4	31.4	32.3	33.6	34.3	34.6	35.0	35.1	35.2	35.3	35.5	35.6	36.3	
GE 16000		22.9	25.3	29.4	31.5	32.3	33.6	34.3	34.6	35.0	35.1	35.2	35.4	35.5	35.6	36.3	
GE 14000		23.0	25.4	29.6	31.6	32.4	33.8	34.4	34.7	35.2	35.3	35.4	35.5	35.6	35.7	36.4	
GE 12000		23.1	25.6	29.7	31.8	32.7	34.0	34.7	35.0	35.4	35.5	35.6	35.7	35.9	35.9	36.7	
GE 10000		24.2	26.8	31.0	33.1	34.0	35.4	36.1	36.5	36.9	37.0	37.1	37.2	37.3	37.4	38.2	
GE 9000		24.6	27.1	31.4	33.5	34.5	35.9	36.6	36.9	37.3	37.4	37.5	37.7	37.8	37.9	38.6	
GE 8000		27.5	30.2	34.9	37.1	38.2	39.7	40.5	40.8	41.2	41.4	41.5	41.6	41.7	41.8	42.6	
GE 7000		28.0	30.7	35.6	37.9	38.9	40.4	41.4	41.7	42.1	42.3	42.4	42.5	42.6	42.7	43.5	
GE 6000		28.1	30.9	35.8	38.1	39.2	40.7	41.6	42.0	42.4	42.5	42.6	42.8	42.9	43.0	43.7	
GE 5000		29.3	32.2	37.3	39.7	40.8	42.3	43.3	43.7	44.2	44.3	44.4	44.5	44.7	44.8	45.5	
GE 4500		30.5	33.5	39.1	41.7	42.7	44.4	45.5	45.9	46.4	46.5	46.6	46.7	46.9	46.9	47.7	
GE 4000		33.9	37.3	43.5	46.3	47.6	49.5	50.7	51.1	51.7	51.8	51.9	52.1	52.2	52.3	53.1	
GE 3500		37.0	40.8	47.6	50.6	52.0	54.2	55.5	56.0	56.6	56.8	56.9	57.1	57.2	57.3	58.0	
GE 3000		41.0	45.3	52.9	56.3	58.0	60.3	61.8	62.4	63.1	63.3	63.4	63.6	63.7	63.8	64.6	
GE 2500		43.7	48.4	56.4	59.8	61.8	64.2	65.9	66.5	67.4	67.5	67.6	67.8	68.0	68.0	68.6	
GE 2000		45.7	50.7	59.7	63.6	65.7	68.3	70.2	70.9	71.9	72.1	72.3	72.4	72.6	72.7	73.5	
GE 1800		45.8	50.9	60.0	64.0	66.1	68.8	70.7	71.4	72.5	72.7	72.8	73.0	73.2	73.3	74.0	
GE 1500		47.3	52.7	62.4	67.1	69.3	72.4	74.7	75.4	76.6	76.8	77.0	77.2	77.4	77.5	78.2	
GE 1200		48.6	54.3	64.7	69.7	72.0	75.5	78.3	79.2	80.6	80.8	81.0	81.2	81.4	81.5	82.3	
GE 1000		49.1	55.1	65.9	71.1	73.5	77.0	79.9	80.9	82.5	82.7	83.0	83.3	83.5	83.6	84.4	
GE 900		49.3	55.3	66.3	71.5	73.9	77.5	80.4	81.4	83.1	83.5	83.8	84.1	84.3	84.4	85.3	
GE 800		49.5	55.6	66.8	72.2	74.7	78.4	81.5	82.6	84.5	84.9	85.2	85.6	85.8	85.9	86.8	
GE 700		49.8	56.1	67.6	73.6	76.3	80.3	83.8	84.9	86.9	87.4	87.8	88.1	88.5	88.6	89.4	
GE 600		50.0	56.4	67.9	74.0	76.8	80.9	84.6	86.0	88.3	88.8	89.3	89.8	90.2	90.3	91.2	
GE 500		50.0	56.4	68.1	74.3	77.2	81.4	85.3	86.7	89.2	89.8	90.4	91.0	91.6	91.7	92.6	
GE 400		50.0	56.4	68.1	74.5	77.4	81.8	86.0	87.5	90.2	91.2	92.0	92.6	93.4	93.5	94.5	
GE 300		50.0	56.4	68.1	74.5	77.5	81.9	86.1	87.8	90.9	92.0	92.9	93.7	94.7	94.9	96.4	
GE 200		50.0	56.4	68.1	74.5	77.5	81.9	86.2	87.9	91.2	92.3	93.3	94.3	95.8	96.2	98.2	
GE 100		50.0	56.4	68.1	74.5	77.5	81.9	86.2	88.0	91.2	92.3	93.4	94.4	96.3	97.0	99.9	
GE 0		50.0	56.4	68.1	74.5	77.5	81.9	86.2	88.0	91.2	92.3	93.4	94.4	96.3	97.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 5698

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-80,82-87
MONTH: MAR HOURS(LST): 0000-0200

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		30.4	33.3	35.0	36.6	37.3	38.2	38.4	39.5	39.5	40.0	40.0	40.2	40.4	40.4	40.4
GE 20000		31.7	34.6	37.1	38.6	39.3	40.2	40.4	41.5	42.4	42.9	42.9	43.1	43.3	43.3	43.3
GE 18000		31.7	34.6	37.3	38.8	39.5	40.4	40.6	41.7	42.6	43.1	43.1	43.3	43.5	43.5	43.5
GE 16000		31.7	34.6	37.3	38.8	39.5	40.4	40.6	41.7	42.6	43.1	43.1	43.3	43.5	43.5	43.5
GE 14000		31.9	34.8	37.5	39.1	39.7	40.6	40.8	42.0	42.9	43.3	43.3	43.5	43.8	43.8	43.8
GE 12000		32.4	35.3	37.9	39.5	40.2	41.1	41.3	42.4	43.3	43.8	43.8	44.0	44.2	44.2	44.2
GE 10000		32.6	35.7	38.8	40.4	41.1	42.0	42.2	43.3	44.2	44.6	44.6	44.9	45.1	45.1	45.1
GE 9000		33.0	36.2	39.3	41.8	41.5	42.6	42.9	44.0	45.1	45.5	45.5	45.8	46.0	46.0	46.0
GE 8000		34.2	37.5	40.6	42.4	43.1	44.2	44.4	45.5	46.7	47.1	47.1	47.3	47.5	47.5	47.5
GE 7000		34.8	38.2	41.3	43.1	43.8	44.9	45.1	46.2	47.3	47.8	47.8	48.0	48.2	48.2	48.2
GE 6000		34.8	38.2	41.3	43.1	43.8	44.9	45.1	46.2	47.3	47.8	47.8	48.0	48.2	48.2	48.2
GE 5000		35.9	39.7	43.5	45.3	46.0	47.1	47.3	48.4	49.6	50.0	50.0	50.2	50.4	50.4	50.4
GE 4500		36.4	40.4	44.6	46.7	47.3	48.4	48.7	49.8	50.9	51.3	51.3	51.6	51.8	51.8	51.8
GE 4000		42.2	46.4	51.8	54.5	55.1	56.3	56.5	57.6	59.2	60.0	60.0	60.3	60.7	60.7	60.7
GE 3500		46.7	51.1	57.1	59.8	60.5	61.6	62.3	63.6	65.2	66.1	66.1	66.3	66.7	66.7	66.7
GE 3000		50.4	56.0	62.3	65.0	65.6	67.4	68.1	69.4	71.2	72.1	72.1	72.3	72.8	72.8	72.8
GE 2500		52.9	58.7	65.8	69.4	70.1	71.9	72.8	74.3	76.1	77.0	77.0	77.2	77.7	77.7	77.7
GE 2000		54.2	60.0	67.2	71.4	72.1	73.9	74.8	76.3	78.1	79.0	79.0	79.2	79.7	79.7	79.7
GE 1800		55.4	61.2	68.3	72.5	73.2	75.0	75.9	77.5	79.2	80.1	80.1	80.4	80.8	80.8	80.8
GE 1500		58.3	64.5	71.9	76.3	77.2	79.0	80.1	81.9	83.9	84.8	84.8	85.0	85.5	85.5	85.5
GE 1200		58.7	65.0	72.5	77.0	78.1	79.9	81.3	83.0	85.0	85.9	85.9	86.2	86.6	86.6	86.6
GE 1000		60.0	66.3	73.9	78.3	79.9	81.7	83.3	86.4	88.4	89.3	89.3	89.7	90.2	90.2	90.2
GE 900		61.6	68.3	75.9	80.4	81.9	83.7	85.5	88.6	90.6	91.5	91.5	92.0	92.4	92.4	92.4
GE 800		62.5	69.2	76.8	81.7	83.3	85.3	86.8	90.0	92.0	92.9	92.9	93.3	93.8	93.8	93.8
GE 700		62.5	69.2	77.0	82.1	83.7	85.7	87.5	90.6	92.6	93.5	93.5	94.0	94.4	94.4	94.4
GE 600		62.7	69.4	77.2	82.4	83.9	85.9	87.9	91.1	93.1	94.0	94.2	94.6	95.1	95.1	95.1
GE 500		62.7	69.4	77.5	82.6	84.2	86.4	88.6	91.7	93.8	94.6	94.9	95.3	96.0	96.0	96.0
GE 400		62.7	69.4	77.5	82.6	84.2	86.4	88.6	91.7	94.6	95.5	95.8	96.2	97.1	97.1	97.1
GE 300		62.7	69.4	77.5	82.6	84.2	86.8	89.1	92.2	95.1	96.0	96.2	96.7	97.8	98.2	98.2
GE 200		62.7	69.4	77.5	82.6	84.2	86.8	89.3	92.4	95.3	96.2	96.4	96.9	98.0	98.4	98.4
GE 100		62.7	69.4	77.5	82.6	84.2	86.8	89.3	92.4	95.3	96.2	96.4	97.3	98.4	98.9	100.0
GE 0		62.7	69.4	77.5	82.6	84.2	86.8	89.3	92.4	95.3	96.2	96.4	97.3	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 448

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		29.6	31.2	35.2	36.4	36.5	37.7	37.9	38.8	39.0	39.1	39.2	39.3	39.5	39.6	39.8
GE 20000		32.1	33.7	38.3	40.2	40.5	41.6	41.9	42.8	43.0	43.2	43.3	43.4	43.6	43.7	43.9
GE 18000		32.2	33.8	38.4	40.4	40.6	41.8	42.0	42.9	43.2	43.3	43.4	43.6	43.7	43.8	44.1
GE 16000		32.2	33.8	38.4	40.4	40.6	41.8	42.0	42.9	43.2	43.3	43.4	43.6	43.7	43.8	44.1
GE 14000		32.2	33.8	38.4	40.4	40.6	41.8	42.0	42.9	43.2	43.3	43.4	43.6	43.7	43.8	44.1
GE 12000		32.6	34.2	38.8	40.7	41.0	42.1	42.4	43.3	43.6	43.7	43.8	43.9	44.1	44.2	44.4
GE 10000		33.5	35.2	39.8	41.8	42.0	43.2	43.4	44.3	44.6	44.7	44.8	45.0	45.1	45.2	45.5
GE 9000		33.8	35.8	40.4	42.3	42.5	43.7	43.9	44.8	45.1	45.3	45.5	45.7	45.8	46.0	46.2
GE 8000		35.9	37.8	42.4	44.3	44.6	45.8	46.1	47.0	47.3	47.5	47.6	47.9	48.0	48.1	48.4
GE 7000		35.9	37.8	42.4	44.3	44.6	45.8	46.1	47.0	47.3	47.5	47.6	48.0	48.1	48.3	48.5
GE 6000		35.9	37.8	42.4	44.3	44.6	45.8	46.1	47.0	47.3	47.5	47.6	48.0	48.1	48.3	48.5
GE 5000		36.8	38.8	44.1	46.4	46.6	47.9	48.1	49.0	49.3	49.6	49.7	50.1	50.2	50.3	50.6
GE 4500		39.1	41.1	46.9	49.6	49.8	51.1	51.3	52.2	52.5	52.9	53.1	53.5	53.6	53.8	54.0
GE 4000		43.8	45.8	52.2	55.0	55.3	56.6	56.8	57.7	58.1	58.6	58.9	59.3	59.5	59.6	59.9
GE 3500		47.4	49.6	55.9	59.0	59.4	60.7	60.9	62.2	62.6	63.1	63.3	63.7	64.0	64.1	64.4
GE 3000		52.4	54.9	61.6	65.0	65.4	66.7	66.9	68.2	68.6	69.1	69.3	69.7	70.0	70.1	70.4
GE 2500		54.8	57.5	64.5	68.2	68.7	70.2	70.6	71.9	72.5	73.1	73.3	73.7	73.9	74.1	74.3
GE 2000		56.1	58.9	66.5	70.4	70.9	72.4	72.8	74.1	74.8	75.4	75.7	76.1	76.4	76.5	76.8
GE 1800		56.6	59.4	67.0	71.0	71.5	73.1	73.4	74.7	75.5	76.0	76.4	76.8	77.0	77.1	77.4
GE 1500		59.9	63.0	71.6	75.7	76.2	77.9	78.4	79.7	80.5	81.1	81.5	81.9	82.2	82.4	82.6
GE 1200		61.7	65.0	74.1	78.4	78.9	80.6	81.1	82.4	83.1	83.8	84.2	84.5	84.9	85.1	85.3
GE 1000		63.6	66.9	76.2	80.8	81.4	83.1	83.7	85.1	85.8	86.5	86.8	87.2	87.6	87.7	88.0
GE 900		64.1	67.4	76.9	81.6	82.1	83.9	84.4	86.0	86.7	87.4	87.7	88.1	88.5	88.6	88.9
GE 800		64.2	67.6	77.0	81.7	82.4	84.3	84.9	86.6	87.4	88.0	88.4	88.8	89.1	89.3	89.5
GE 700		64.5	67.8	77.7	82.4	83.1	85.2	86.5	88.1	88.9	89.5	89.9	90.3	90.7	90.8	91.1
GE 600		64.9	68.2	78.2	83.1	84.0	86.1	87.6	89.3	90.0	90.7	91.1	91.4	91.8	92.0	92.2
GE 500		65.0	68.5	78.5	83.5	84.4	86.5	88.4	90.0	90.8	91.4	91.8	92.2	92.6	93.0	93.2
GE 400		65.0	68.5	78.7	83.9	84.9	87.1	89.5	91.4	92.5	93.4	93.9	94.3	94.6	95.0	95.4
GE 300		65.0	68.5	78.8	84.2	85.2	87.4	90.2	92.3	93.6	94.5	95.0	95.4	95.8	96.2	96.6
GE 200		65.0	68.5	78.8	84.2	85.2	87.4	90.5	92.8	94.3	95.4	96.2	96.9	97.3	97.7	98.2
GE 100		65.0	68.5	78.8	84.2	85.2	87.4	90.5	93.0	94.4	95.5	96.3	97.1	97.4	97.8	100.0
GE 0		65.0	68.5	78.8	84.2	85.2	87.4	90.5	93.0	94.4	95.5	96.3	97.1	97.4	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 783

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: Q35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: MAR

HOURS (LST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL		21.0	22.5	25.7	26.9	27.0	28.0	28.6	29.2	29.8	29.9	30.2	30.2	30.4	30.4	30.9	
GE 20000		24.3	26.7	30.7	32.7	33.1	34.6	35.6	36.2	36.9	37.0	37.2	37.2	37.5	37.5	37.9	
GE 18000		24.3	26.7	30.9	33.1	33.5	35.0	35.9	36.5	37.2	37.3	37.6	37.6	37.8	37.8	38.3	
GE 16000		24.3	26.7	30.9	33.1	33.5	35.0	35.9	36.5	37.2	37.3	37.6	37.6	37.8	37.8	38.3	
GE 14000		24.4	26.9	31.0	33.2	33.6	35.1	36.0	36.6	37.3	37.5	37.7	37.7	37.9	37.9	38.4	
GE 12000		24.5	27.0	31.1	33.3	33.7	35.2	36.2	36.7	37.5	37.6	37.8	37.8	38.0	38.0	38.5	
GE 10000		26.7	29.2	33.3	35.6	35.9	37.5	38.4	39.1	39.8	39.9	40.2	40.2	40.4	40.4	40.9	
GE 9000		27.1	29.6	33.7	35.9	36.3	37.8	38.8	39.5	40.2	40.3	40.5	40.5	40.8	40.8	41.2	
GE 8000		29.8	32.4	36.5	39.2	39.6	41.2	42.3	43.1	43.8	43.9	44.2	44.2	44.4	44.4	44.9	
GE 7000		30.3	32.9	37.3	40.0	40.4	42.0	43.2	44.1	44.8	44.9	45.1	45.2	45.5	45.5	45.9	
GE 6000		30.4	33.0	37.5	40.2	40.5	42.2	43.3	44.2	44.9	45.0	45.2	45.3	45.6	45.6	46.1	
GE 5000		31.6	34.3	39.0	42.0	42.5	44.2	45.5	46.4	47.3	47.5	47.7	47.8	48.1	48.1	48.5	
GE 4500		32.9	35.9	41.0	44.1	44.5	46.3	47.7	48.6	49.9	50.1	50.3	50.6	51.2	51.4	51.8	
GE 4000		36.3	39.8	44.9	48.2	48.6	50.4	51.8	53.0	54.4	54.7	54.9	55.2	55.8	55.9	56.4	
GE 3500		38.4	42.3	48.2	52.2	52.8	54.7	56.2	57.5	58.9	59.1	59.4	59.7	60.3	60.4	60.9	
GE 3000		42.5	46.4	52.7	56.7	57.2	59.4	60.9	62.4	63.8	64.1	64.3	64.7	65.3	65.4	65.8	
GE 2500		45.2	49.1	55.9	60.5	61.2	63.4	65.1	66.8	68.3	68.7	69.0	69.4	70.1	70.2	70.7	
GE 2000		47.1	51.1	58.3	63.0	63.7	66.2	68.2	69.8	71.4	71.7	72.1	72.4	73.1	73.3	73.7	
GE 1800		47.2	51.2	58.4	63.1	63.8	66.3	68.3	70.0	71.5	71.8	72.2	72.6	73.3	73.4	73.9	
GE 1500		49.9	53.9	62.2	67.3	68.1	70.9	73.0	74.8	76.3	76.7	77.0	77.5	78.2	78.3	78.8	
GE 1200		51.6	56.3	64.9	70.3	71.1	74.1	76.6	78.3	79.9	80.2	80.6	81.0	81.7	81.9	82.3	
GE 1000		52.7	57.4	66.1	71.7	72.8	76.0	78.6	80.3	81.9	82.2	82.6	83.0	83.7	83.9	84.3	
GE 900		53.1	58.0	66.8	72.6	73.6	76.8	79.5	81.3	82.8	83.2	83.6	84.2	85.0	85.2	85.6	
GE 800		53.4	58.2	67.0	73.0	74.3	77.7	80.4	82.3	83.9	84.2	84.7	85.3	86.1	86.2	86.7	
GE 700		53.7	58.5	68.2	74.3	75.7	79.5	82.6	84.6	86.2	86.8	87.4	88.0	88.8	88.9	89.4	
GE 600		53.8	58.9	68.6	74.8	76.2	80.1	83.9	86.0	87.6	88.2	88.8	89.4	90.2	90.3	90.8	
GE 500		53.8	58.9	68.7	75.0	76.4	80.3	84.5	86.7	88.6	89.2	89.8	90.3	91.2	91.3	92.1	
GE 400		53.8	58.9	68.7	75.0	76.4	80.6	84.9	87.8	90.1	90.7	91.4	92.3	93.3	93.4	94.2	
GE 300		53.8	58.9	68.7	75.0	76.4	80.6	85.0	87.9	90.7	91.3	92.5	93.5	95.1	95.5	96.9	
GE 200		53.8	58.9	68.7	75.0	76.4	80.6	85.0	87.9	90.7	91.4	92.8	94.2	96.1	96.6	98.4	
GE 100		53.8	58.9	68.7	75.0	76.4	80.6	85.0	87.9	90.7	91.4	92.9	94.3	96.3	96.9	100.0	
GE 0		53.8	58.9	68.7	75.0	76.4	80.6	85.0	87.9	90.7	91.4	92.9	94.3	96.3	96.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: MAR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		16.2	16.9	18.7	20.4	20.5	20.9	21.4	21.5	21.7	21.7	21.8	21.8	21.9	21.9	21.9
GE 20000		22.2	23.3	25.5	27.7	27.9	28.6	29.0	29.1	29.4	29.5	29.6	29.6	29.7	29.7	29.7
GE 18000		22.2	23.3	25.5	27.7	27.9	28.6	29.0	29.1	29.4	29.5	29.6	29.6	29.7	29.7	29.7
GE 16000		22.2	23.3	25.5	27.7	27.9	28.6	29.0	29.1	29.4	29.5	29.6	29.6	29.7	29.7	29.7
GE 14000		22.4	23.5	25.8	27.9	28.1	28.8	29.2	29.4	29.6	29.7	29.8	29.8	29.9	29.9	29.9
GE 12000		22.9	24.2	26.5	28.7	28.9	29.6	30.0	30.1	30.4	30.5	30.6	30.6	30.7	30.7	30.7
GE 10000		25.1	26.3	28.9	31.3	31.5	32.2	32.6	32.7	33.0	33.1	33.2	33.2	33.3	33.3	33.3
GE 9000		26.0	27.2	29.9	32.3	32.5	33.2	33.6	33.7	34.0	34.1	34.2	34.2	34.3	34.3	34.3
GE 8000		20.1	31.7	34.4	37.0	37.3	38.0	38.5	38.6	38.8	38.9	39.0	39.1	39.3	39.3	39.3
GE 7000		20.9	32.6	35.3	37.9	38.2	39.0	39.7	39.9	40.3	40.4	40.5	40.6	40.7	40.7	40.7
GE 6000		21.0	32.7	35.4	38.0	38.4	39.1	39.8	40.0	40.4	40.5	40.6	40.7	40.8	40.8	40.8
GE 5000		31.5	33.4	36.3	39.1	39.6	40.4	41.1	41.4	42.1	42.2	42.3	42.4	42.5	42.5	42.5
GE 4500		33.0	35.0	38.2	41.2	41.6	42.5	43.2	43.5	44.2	44.3	44.5	44.7	45.0	45.0	45.0
GE 4000		37.3	39.8	43.5	46.6	47.0	48.0	48.7	49.0	49.7	50.1	50.4	50.5	50.8	50.8	50.8
GE 3500		39.4	42.2	46.6	49.7	50.3	51.3	52.1	52.4	53.2	53.7	54.0	54.1	54.4	54.4	54.4
GE 3000		43.6	46.5	51.4	54.9	55.6	57.0	58.0	58.5	59.3	59.8	60.2	60.3	60.6	60.6	60.6
GE 2500		48.6	51.4	57.3	60.9	61.6	63.1	64.3	64.9	65.9	66.5	66.8	66.9	67.3	67.3	67.3
GE 2000		52.1	55.1	61.3	65.0	65.9	67.5	69.0	69.5	70.5	71.1	71.4	71.5	71.9	71.9	71.9
GE 1800		52.9	55.9	62.1	65.8	66.7	68.3	69.7	70.3	71.3	71.9	72.2	72.3	72.7	72.7	72.7
GE 1500		55.9	59.4	66.6	70.6	71.8	73.5	75.1	75.7	76.7	77.3	77.6	77.7	78.1	78.1	78.1
GE 1200		58.3	62.1	70.0	74.0	75.1	76.9	78.9	79.5	80.5	81.1	81.4	81.6	81.9	81.9	81.9
GE 1000		60.3	64.5	72.7	77.4	78.6	80.8	83.0	83.7	84.8	85.4	85.7	85.8	86.2	86.2	86.2
GE 900		61.2	65.5	74.0	78.7	80.2	82.5	84.8	85.5	86.6	87.2	87.5	87.6	88.0	88.0	88.0
GE 800		61.8	66.1	75.0	80.1	81.6	83.8	86.2	86.8	88.0	88.5	88.9	89.0	89.3	89.3	89.3
GE 700		62.2	66.7	75.8	81.2	82.9	85.4	88.2	88.9	90.1	90.8	91.1	91.2	91.6	91.6	91.6
GE 600		62.3	66.9	76.2	81.9	83.7	86.4	89.5	90.2	91.6	92.2	92.6	92.7	93.0	93.0	93.0
GE 500		62.4	67.0	76.5	82.7	84.7	87.4	90.7	91.8	93.3	94.0	94.4	94.7	95.1	95.2	95.2
GE 400		62.5	67.2	76.7	82.9	84.9	87.9	91.6	92.9	94.4	95.2	95.6	96.2	96.6	96.7	96.7
GE 300		62.5	67.2	76.7	82.9	85.0	88.0	91.7	93.3	94.7	95.7	96.3	97.1	97.6	97.9	98.0
GE 200		62.5	67.2	76.7	82.9	85.0	88.0	91.7	93.5	94.9	96.1	96.7	97.5	98.5	99.0	99.4
GE 100		62.5	67.2	76.7	82.9	85.0	88.0	91.7	93.5	94.9	96.1	96.7	97.5	98.5	99.1	100.0
GE 0		62.5	67.2	76.7	82.9	85.0	88.0	91.7	93.5	94.9	96.1	96.7	97.5	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 889

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1200-1400

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		16.6	17.4	18.2	19.1	19.1	19.2	19.4	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
GE 20000		22.6	24.0	25.9	27.0	27.0	27.3	27.4	27.6	27.7	27.7	27.7	27.7	27.7	27.7	27.7
GE 18000		22.7	24.1	26.0	27.1	27.1	27.4	27.5	27.7	27.8	27.8	27.8	27.8	27.8	27.8	27.8
GE 16000		22.7	24.1	26.0	27.1	27.1	27.4	27.5	27.7	27.8	27.8	27.8	27.8	27.8	27.8	27.8
GE 14000		22.9	24.3	26.2	27.3	27.3	27.6	27.7	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1
GE 12000		23.1	24.5	26.5	27.5	27.5	27.8	28.0	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3
GE 10000		24.8	26.3	28.3	29.7	29.7	30.0	30.1	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4
GE 9000		25.5	27.0	28.9	30.3	30.3	30.6	30.8	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1
GE 8000		28.2	29.8	31.9	33.5	33.5	33.9	34.0	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3
GE 7000		29.7	31.6	33.9	35.5	35.5	35.8	36.0	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 6000		29.8	31.7	34.0	35.6	35.6	35.9	36.1	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 5000		30.8	32.7	35.3	36.9	36.9	37.2	37.4	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 4500		32.0	34.0	36.8	38.5	38.5	38.8	39.0	39.2	39.4	39.5	39.5	39.6	39.6	39.6	39.6
GE 4000		37.2	39.6	42.5	44.3	44.3	44.7	44.9	45.2	45.3	45.4	45.4	45.5	45.5	45.5	45.5
GE 3500		43.2	45.9	49.5	51.7	51.7	52.2	52.4	52.6	52.7	52.8	52.8	52.9	52.9	52.9	52.9
GE 3000		54.1	57.2	61.2	63.5	63.5	64.0	64.2	64.4	64.5	64.6	64.6	64.7	64.7	64.7	64.7
GE 2500		58.9	62.0	66.5	68.8	68.8	69.2	69.5	69.7	70.0	70.1	70.1	70.2	70.2	70.2	70.2
GE 2000		64.2	67.8	72.9	75.5	75.5	76.3	76.6	76.8	77.2	77.3	77.3	77.4	77.4	77.4	77.4
GE 1800		65.1	68.8	74.0	76.6	76.6	77.4	77.6	77.8	78.3	78.4	78.4	78.5	78.5	78.5	78.5
GE 1500		69.2	73.3	79.5	82.4	82.4	83.2	83.4	83.7	84.2	84.3	84.4	84.5	84.5	84.5	84.5
GE 1200		72.2	76.3	82.9	86.3	86.6	87.6	88.1	88.3	88.9	89.0	89.1	89.2	89.2	89.2	89.2
GE 1000		73.4	77.7	85.1	88.6	89.4	90.6	91.2	91.4	92.0	92.2	92.3	92.4	92.4	92.4	92.4
GE 900		74.3	78.7	86.1	89.7	90.8	92.0	92.6	92.8	93.4	93.5	93.7	93.8	93.8	93.8	93.8
GE 800		74.8	79.2	86.9	90.4	91.6	92.9	93.4	93.8	94.5	94.6	94.7	94.8	94.8	94.8	94.8
GE 700		75.5	80.2	88.0	91.7	93.1	94.5	95.1	95.7	96.5	96.6	96.7	96.8	96.8	96.8	96.8
GE 600		75.6	80.3	88.2	92.4	94.1	95.6	96.5	97.3	98.1	98.2	98.3	98.4	98.4	98.4	98.4
GE 500		75.6	80.3	88.2	92.4	94.1	95.7	96.7	97.7	98.9	99.0	99.1	99.2	99.2	99.2	99.2
GE 400		75.6	80.3	88.3	92.5	94.4	96.1	97.1	98.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8
GE 300		75.6	80.3	88.3	92.5	94.4	96.1	97.1	98.2	99.4	99.6	99.7	99.8	99.9	99.9	99.9
GE 200		75.6	80.3	88.3	92.5	94.4	96.1	97.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0
GE 100		75.6	80.3	88.3	92.5	94.4	96.1	97.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0
GE 0		75.6	80.3	88.3	92.5	94.4	96.1	97.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(IST): 1500-1700

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		19.5	19.7	21.1	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
GE 20000		27.2	27.8	29.3	29.5	29.6	29.6	29.8	29.8	30.2	30.2	30.2	30.2	30.2	30.2	30.2
GE 18000		27.5	28.1	29.6	29.8	29.9	29.9	30.2	30.2	30.5	30.5	30.5	30.5	30.5	30.5	30.5
GE 16000		27.5	28.1	29.6	29.8	29.9	29.9	30.2	30.2	30.5	30.5	30.5	30.5	30.5	30.5	30.5
GE 14000		27.7	28.2	29.7	29.9	30.0	30.0	30.3	30.3	30.6	30.6	30.6	30.6	30.6	30.6	30.6
GE 12000		28.0	28.6	30.2	30.4	30.5	30.5	30.7	30.7	31.0	31.0	31.0	31.0	31.0	31.0	31.0
GE 10000		30.0	30.7	32.3	32.6	32.8	32.8	33.0	33.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3
GE 9000		31.0	31.7	33.4	33.7	34.1	34.1	34.3	34.3	34.6	34.6	34.6	34.6	34.6	34.6	34.6
GE 8000		34.8	35.5	37.4	37.7	38.1	38.1	38.3	38.3	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 7000		36.1	37.0	39.2	39.5	39.8	39.8	40.0	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 6000		36.1	37.0	39.2	39.5	39.8	39.8	40.0	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 5000		38.7	39.6	42.0	42.5	42.8	42.8	43.1	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 4500		42.0	42.8	45.6	46.1	46.4	46.4	46.6	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 4000		49.3	50.7	53.7	54.7	55.0	55.0	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 3500		56.7	58.7	61.8	62.9	63.2	63.2	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 3000		64.0	66.5	69.8	71.0	71.4	71.4	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 2500		67.7	70.9	75.4	76.6	76.9	76.9	77.3	77.4	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 2000		73.5	77.1	82.8	84.2	84.5	84.8	85.2	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 1800		73.5	77.1	83.0	84.4	84.7	85.0	85.5	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1500		75.1	78.9	86.4	88.2	88.9	89.3	89.7	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 1200		76.9	80.8	89.0	91.0	92.1	92.4	93.1	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1000		77.9	81.9	90.2	92.3	93.5	94.3	95.2	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900		78.0	82.0	90.6	92.6	93.8	94.7	95.7	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 800		78.1	82.2	90.8	93.0	94.1	95.0	96.0	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 700		78.3	82.6	91.3	93.5	94.8	95.7	97.1	97.9	98.5	98.5	98.5	98.7	98.7	98.7	98.7
GE 600		78.4	82.8	91.4	93.7	95.0	95.9	97.4	98.3	98.8	98.8	98.8	99.0	99.0	99.0	99.0
GE 500		78.4	82.8	91.4	93.8	95.1	96.1	97.6	98.6	99.1	99.1	99.1	99.3	99.5	99.5	99.5
GE 400		78.4	82.8	91.4	93.8	95.1	96.1	97.6	98.6	99.2	99.2	99.3	99.6	99.7	99.7	99.7
GE 300		78.4	82.8	91.4	93.9	95.2	96.2	97.7	98.8	99.6	99.6	99.7	99.9	100.0	100.0	100.0
GE 200		78.4	82.8	91.4	93.9	95.2	96.2	97.7	98.8	99.6	99.6	99.7	99.9	100.0	100.0	100.0
GE 100		78.4	82.8	91.4	93.9	95.2	96.2	97.7	98.8	99.6	99.6	99.7	99.9	100.0	100.0	100.0
GE 0		78.4	82.8	91.4	93.9	95.2	96.2	97.7	98.8	99.6	99.6	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: MAR

HOURS(1ST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	28.1	29.6	30.3	31.4	31.4	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
GE 20000	32.7	34.6	35.8	37.0	37.0	37.2	37.2	37.2	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 18000	33.0	34.9	36.0	37.3	37.3	37.4	37.4	37.4	37.5	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 16000	33.0	34.9	36.0	37.3	37.3	37.4	37.4	37.4	37.5	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 14000	33.2	35.1	36.3	37.5	37.5	37.7	37.7	37.7	37.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 12000	33.9	35.8	37.0	38.3	38.3	38.4	38.4	38.4	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8
GE 10000	35.5	37.4	38.7	39.9	39.9	40.1	40.1	40.1	40.2	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 9000	36.2	38.1	39.3	40.7	40.8	41.0	41.0	41.0	41.2	41.3	41.6	41.6	41.6	41.6	41.6	41.6
GE 8000	39.7	42.1	43.4	44.9	45.0	45.4	45.4	45.6	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 7000	41.0	43.6	44.9	46.4	46.5	47.0	47.0	47.3	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 6000	41.1	43.7	45.0	46.5	46.6	47.2	47.2	47.4	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 5000	42.4	45.3	46.8	48.3	48.4	48.9	48.9	49.2	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 4500	44.9	47.8	49.3	50.8	50.9	51.6	51.6	51.8	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 4000	50.2	53.6	55.8	58.0	58.2	58.8	58.8	59.0	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 3500	56.4	60.3	62.6	64.9	65.0	65.6	65.6	66.2	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 3000	63.2	67.5	70.4	72.7	72.8	73.8	74.2	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 2500	66.2	71.2	74.6	77.1	77.2	78.4	79.0	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 2000	69.7	75.2	79.4	82.4	82.6	84.2	84.8	85.1	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 1800	69.9	75.6	80.3	83.3	83.4	85.1	85.8	86.1	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1500	71.7	77.7	82.9	86.3	86.6	88.2	89.0	89.5	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1200	72.6	78.9	84.6	88.6	89.0	91.2	92.3	92.8	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1000	73.3	80.3	86.5	90.6	91.0	93.2	94.8	95.3	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 900	73.3	80.3	86.5	90.8	91.3	93.4	95.1	95.6	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 800	73.5	80.4	86.6	91.0	91.5	93.7	95.3	95.8	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	73.6	80.5	86.9	91.3	91.8	94.1	96.1	96.8	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	73.7	80.9	87.4	91.8	92.3	94.6	96.7	97.6	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	73.8	81.0	87.6	92.3	92.8	95.1	97.2	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	73.8	81.0	87.6	92.3	92.8	95.1	97.2	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	73.8	81.0	87.6	92.3	92.8	95.1	97.3	98.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	73.8	81.0	87.6	92.3	92.8	95.1	97.3	98.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	73.8	81.0	87.6	92.3	92.8	95.1	97.3	98.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	73.8	81.0	87.6	92.3	92.8	95.1	97.3	98.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 791

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: MAR

HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		35.6	36.8	37.5	39.0	39.2	39.5	39.6	39.8	39.8	39.8	40.1	40.1	40.1	40.2
GE 20000		38.3	39.5	40.6	42.2	42.5	42.9	43.1	43.2	43.2	43.6	43.9	43.9	43.9	44.0
GE 18000		38.4	39.6	40.7	42.4	42.6	43.1	43.2	43.3	43.3	43.7	44.0	44.0	44.0	44.1
GE 16000		38.4	39.6	40.7	42.4	42.6	43.1	43.2	43.3	43.3	43.7	44.0	44.0	44.0	44.1
GE 14000		38.6	39.8	40.9	42.5	42.8	43.2	43.3	43.5	43.5	43.9	44.1	44.1	44.1	44.3
GE 12000		39.0	40.2	41.3	42.9	43.2	43.6	43.7	43.9	43.9	44.3	44.6	44.6	44.6	44.7
GE 10000		40.1	41.3	42.5	44.1	44.4	44.8	45.0	45.1	45.1	45.5	45.8	45.8	45.8	45.9
GE 9000		40.5	41.7	42.9	44.6	44.8	45.2	45.4	45.5	45.5	45.9	46.2	46.2	46.2	46.3
GE 8000		41.8	43.6	45.1	47.3	47.5	48.0	48.1	48.2	48.2	48.6	48.9	48.9	48.9	49.0
GE 7000		42.5	44.3	45.8	48.0	48.2	48.6	48.8	48.9	48.9	49.3	49.6	49.6	49.6	49.7
GE 6000		42.6	44.4	45.9	48.1	48.4	48.8	48.9	49.0	49.0	49.5	49.7	49.7	49.7	49.9
GE 5000		44.8	46.7	48.4	50.5	50.8	51.2	51.4	51.5	51.5	51.9	52.2	52.2	52.2	52.3
GE 4500		46.3	48.2	50.0	52.2	52.5	52.9	53.0	53.1	53.1	53.5	53.8	53.8	53.8	54.0
GE 4000		51.9	54.5	57.1	59.8	60.1	60.5	60.8	60.9	60.9	61.3	61.6	61.6	61.7	61.9
GE 3500		55.4	58.3	61.0	64.2	64.4	64.9	65.1	65.3	65.3	65.7	65.9	65.9	66.1	66.2
GE 3000		60.4	63.8	67.4	71.0	71.3	71.9	72.8	72.9	73.0	73.4	73.7	73.7	73.8	74.0
GE 2500		62.4	65.9	70.4	74.3	74.5	75.3	76.2	76.3	76.4	76.8	77.1	77.1	77.2	77.4
GE 2000		65.8	69.9	75.1	79.3	79.6	80.4	81.2	81.3	81.9	82.3	82.6	82.6	82.7	82.8
GE 1800		66.2	70.3	75.5	79.7	80.0	80.8	81.6	81.7	82.3	82.7	83.0	83.0	83.1	83.2
GE 1600		69.6	74.1	79.8	84.3	84.6	85.7	86.6	86.8	87.3	87.7	88.0	88.0	88.1	88.3
GE 1200		70.4	75.2	81.5	86.1	86.4	87.7	88.8	89.1	89.6	90.1	90.3	90.3	90.5	90.6
GE 1000		71.8	77.0	83.9	88.6	88.8	90.2	91.7	92.1	92.8	93.2	93.5	93.5	93.6	93.7
GE 900		72.6	77.8	84.7	89.4	89.6	91.0	92.5	92.9	93.6	94.0	94.3	94.3	94.4	94.6
GE 800		72.6	77.9	84.9	89.5	89.8	91.3	92.8	93.3	94.3	94.8	95.1	95.1	95.2	95.4
GE 700		73.2	78.7	85.7	90.3	90.6	92.1	93.9	94.6	95.5	96.0	96.3	96.3	96.5	96.6
GE 600		73.7	79.3	86.4	91.1	91.4	93.1	94.8	95.5	96.5	97.0	97.3	97.3	97.4	97.5
GE 500		73.7	79.3	86.5	91.4	91.7	93.5	95.5	96.2	97.1	97.7	98.2	98.2	98.4	98.5
GE 400		73.7	79.3	86.5	91.4	91.7	93.6	95.8	96.5	97.5	98.1	98.6	98.6	98.8	98.9
GE 300		73.7	79.3	86.5	91.4	91.7	93.6	96.0	96.9	98.0	98.9	99.5	99.5	99.7	99.9
GE 200		73.7	79.3	86.5	91.4	91.7	93.6	96.0	96.9	98.0	99.0	99.6	99.6	99.9	100.0
GE 100		73.7	79.3	86.5	91.4	91.7	93.6	96.0	96.9	98.0	99.0	99.6	99.6	99.9	100.0
GE 0		73.7	79.3	86.5	91.4	91.7	93.6	96.0	96.9	98.0	99.0	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 734

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS (LST): ALL

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		23.7	24.9	26.7	27.8	28.0	28.4	28.7	29.0	29.1	29.2	29.3	29.3	29.4	29.4	29.5
GE 20000		28.3	29.9	32.2	33.7	33.9	34.5	34.8	35.1	35.4	35.6	35.7	35.7	35.8	35.8	35.9
GE 18000		28.4	30.0	32.4	33.9	34.1	34.7	35.0	35.3	35.6	35.8	35.9	35.9	36.0	36.0	36.1
GE 16000		28.4	30.0	32.4	33.9	34.1	34.7	35.0	35.3	35.6	35.8	35.9	35.9	36.0	36.0	36.1
GE 14000		28.6	30.2	32.6	34.0	34.2	34.9	35.2	35.5	35.8	35.9	36.0	36.1	36.1	36.2	36.3
GE 12000		29.0	30.6	33.0	34.5	34.7	35.3	35.6	35.9	36.2	36.4	36.5	36.5	36.6	36.6	36.7
GE 10000		30.6	32.2	34.7	36.3	36.5	37.1	37.4	37.8	38.1	38.2	38.3	38.4	38.4	38.5	38.6
GE 9000		31.2	32.9	35.4	37.0	37.3	37.9	38.2	38.6	38.9	39.0	39.1	39.2	39.3	39.3	39.4
GE 8000		34.0	35.9	38.5	40.4	40.6	41.3	41.6	42.0	42.3	42.5	42.6	42.7	42.8	42.8	42.9
GE 7000		34.9	36.9	39.6	41.4	41.7	42.4	42.8	43.2	43.6	43.7	43.8	43.9	44.0	44.0	44.1
GE 6000		35.0	37.0	39.7	41.5	41.8	42.5	42.9	43.3	43.6	43.8	43.9	44.0	44.1	44.1	44.2
GE 5000		36.3	38.4	41.5	43.5	43.8	44.5	44.9	45.3	45.7	45.9	46.0	46.1	46.2	46.2	46.3
GE 4500		38.2	40.4	43.7	45.8	46.1	46.8	47.3	47.7	48.2	48.4	48.5	48.6	48.8	48.8	48.9
GE 4000		43.4	46.0	49.8	52.2	52.5	53.3	53.7	54.2	54.7	55.0	55.2	55.3	55.5	55.5	55.6
GE 3500		47.8	50.8	55.0	57.7	58.0	58.8	59.4	59.9	60.5	60.8	60.9	61.1	61.3	61.3	61.4
GE 3000		53.9	57.3	61.9	64.8	65.1	66.2	66.8	67.4	68.0	68.3	68.5	68.6	68.8	68.8	69.0
GE 2500		57.3	60.9	66.2	69.4	69.8	70.9	71.7	72.3	73.0	73.4	73.5	73.7	73.9	73.9	74.0
GE 2000		60.7	64.7	70.6	74.0	74.4	75.8	76.6	77.3	78.0	78.4	78.6	78.7	78.9	79.0	79.1
GE 1800		61.2	65.2	71.2	74.6	75.1	76.4	77.3	77.9	78.7	79.1	79.2	79.4	79.6	79.6	79.8
GE 1500		64.1	68.3	75.3	79.0	79.6	81.0	82.0	82.7	83.6	83.9	84.1	84.3	84.5	84.6	84.7
GE 1200		65.8	70.3	77.8	81.8	82.4	84.1	85.2	86.0	86.9	87.3	87.5	87.7	87.9	87.9	88.0
GE 1000		67.1	71.8	79.7	83.9	84.7	86.5	88.0	88.9	89.9	90.2	90.4	90.6	90.8	90.9	91.0
GE 900		67.7	72.5	80.5	84.7	85.7	87.5	89.0	89.9	90.9	91.3	91.5	91.7	91.9	92.0	92.1
GE 800		68.0	72.9	80.9	85.3	86.3	88.2	89.7	90.7	91.7	92.1	92.4	92.5	92.8	92.8	92.9
GE 700		68.3	73.3	81.7	86.1	87.3	89.3	91.1	92.3	93.3	93.8	94.0	94.2	94.5	94.5	94.6
GE 600		68.5	73.6	82.0	86.7	87.9	90.0	92.1	93.3	94.4	94.8	95.1	95.3	95.6	95.6	95.7
GE 500		68.6	73.7	82.2	87.0	88.2	90.4	92.7	94.0	95.2	95.7	96.0	96.2	96.5	96.6	96.8
GE 400		68.6	73.7	82.3	87.1	88.4	90.7	93.1	94.6	96.0	96.5	96.8	97.2	97.5	97.6	97.8
GE 300		68.6	73.7	82.3	87.1	88.4	90.8	93.3	94.9	96.4	97.0	97.4	97.8	98.3	98.5	98.7
GE 200		68.6	73.7	82.3	87.1	88.4	90.8	93.4	95.0	96.5	97.2	97.7	98.2	98.8	99.0	99.4
GE 100		68.6	73.7	82.3	87.1	88.4	90.8	93.4	95.0	96.5	97.2	97.8	98.3	98.9	99.1	100.0
GE 0		68.6	73.7	82.3	87.1	88.4	90.8	93.4	95.0	96.5	97.2	97.8	98.3	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 6346

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: G35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 0000-0200

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		33.1	35.1	39.0	40.5	41.0	41.3	42.1	42.1	42.6	42.8	42.8	42.8	42.8	42.8	42.8
GE 20000		35.1	37.4	41.3	43.6	44.1	45.1	45.9	45.9	46.4	46.7	46.7	46.7	46.7	46.7	46.7
GE 18000		35.1	37.4	41.3	43.6	44.1	45.1	45.9	45.9	46.4	46.7	46.7	46.7	46.7	46.7	46.7
GE 16000		35.1	37.4	41.3	43.6	44.1	45.1	45.9	45.9	46.4	46.7	46.7	46.7	46.7	46.7	46.7
GE 14000		35.6	37.9	41.8	44.1	44.6	45.6	46.4	46.4	46.9	47.2	47.2	47.2	47.2	47.2	47.2
GE 12000		36.2	38.5	42.3	44.6	45.1	46.2	46.9	46.9	47.4	47.7	47.7	47.7	47.7	47.7	47.7
GE 10000		37.9	40.3	44.1	46.4	46.9	48.2	49.0	49.0	49.5	49.7	49.7	49.7	49.7	49.7	49.7
GE 9000		38.2	40.5	44.4	46.7	47.2	48.5	49.2	49.2	49.7	50.0	50.0	50.0	50.0	50.0	50.0
GE 8000		40.0	42.6	46.4	49.0	49.5	50.8	51.5	51.5	52.3	52.6	52.6	52.6	52.6	52.6	52.6
GE 7000		40.8	43.3	47.4	50.0	50.5	51.8	52.6	52.6	53.3	53.6	53.6	53.6	53.6	53.6	53.6
GE 6000		41.0	43.8	47.9	50.5	51.0	52.3	53.1	53.1	53.8	54.1	54.1	54.1	54.1	54.1	54.1
GE 5000		42.6	46.9	51.3	53.8	54.6	56.2	56.9	56.9	57.7	57.9	57.9	57.9	57.9	57.9	57.9
GE 4500		46.2	50.5	55.6	58.2	59.0	60.5	61.3	61.3	62.1	62.3	62.3	62.3	62.3	62.3	62.3
GE 4000		52.6	57.2	62.8	65.6	66.4	69.0	69.7	69.7	70.5	70.8	70.8	70.8	70.8	70.8	70.8
GE 3500		55.6	60.5	66.2	69.0	69.7	72.3	73.1	73.1	73.8	74.1	74.1	74.1	74.1	74.1	74.1
GE 3000		59.0	64.4	70.0	72.8	73.6	76.7	77.4	77.4	78.2	78.5	78.5	78.5	78.5	78.5	78.5
GE 2500		60.8	66.2	72.1	75.1	75.9	79.0	79.7	79.7	80.5	80.8	80.8	80.8	80.8	80.8	80.8
GE 2000		64.1	70.5	76.7	80.5	81.5	84.6	85.4	85.4	86.2	86.4	86.4	86.4	86.4	86.4	86.4
GE 1800		64.1	70.5	76.7	80.5	81.5	84.6	85.4	85.4	86.2	86.4	86.4	86.4	86.4	86.4	86.4
GE 1500		67.2	73.6	80.0	83.8	84.9	87.9	88.7	88.7	89.5	89.7	89.7	89.7	89.7	89.7	89.7
GE 1200		68.2	75.1	81.5	85.4	86.4	89.5	90.3	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3
GE 1000		69.7	76.9	83.6	87.4	88.5	91.5	92.3	92.3	93.1	93.3	93.3	93.3	93.3	93.3	93.3
GE 900		69.7	76.9	83.6	87.4	88.5	91.5	92.3	92.3	93.1	93.3	93.3	93.3	93.3	93.3	93.3
GE 800		70.0	77.2	83.8	87.7	88.7	91.8	92.6	92.6	93.3	93.6	93.6	93.6	93.6	93.6	93.6
GE 700		70.3	77.4	84.1	87.9	89.0	92.1	92.8	92.8	93.6	93.8	93.8	93.8	93.8	93.8	93.8
GE 600		70.5	77.7	84.6	88.7	89.7	93.1	93.8	93.8	94.6	94.9	94.9	94.9	94.9	94.9	94.9
GE 500		71.0	78.2	85.1	90.0	91.0	94.4	95.1	95.1	95.9	96.2	96.2	96.2	96.2	96.2	96.2
GE 400		71.0	78.5	85.4	91.0	92.3	95.6	96.7	96.7	97.4	97.7	97.7	97.7	97.9	97.9	97.9
GE 300		71.0	78.5	85.6	91.5	92.8	96.2	97.2	97.2	97.9	98.2	98.2	98.2	98.5	98.5	98.5
GE 200		71.0	78.5	85.6	91.5	92.8	96.4	97.7	97.7	98.7	99.0	99.0	99.0	99.2	99.2	100.0
GE 100		71.0	78.5	85.6	91.5	92.8	96.4	97.7	97.9	98.7	99.0	99.0	99.0	99.2	99.2	100.0
GE 0		71.0	78.5	85.6	91.5	92.8	96.4	97.7	97.9	98.7	99.0	99.0	99.0	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 390

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1		24.4	26.0	29.4	30.6	31.2	32.6	33.6	34.1	34.9	35.2	35.2	35.2	35.3	35.3	35.6
GE 20000	1		27.4	29.2	33.2	34.9	35.5	37.1	38.4	38.8	39.7	40.0	40.3	40.5	40.6	40.6	40.9
GE 18000	1		27.7	29.5	33.5	35.2	35.8	37.4	38.7	39.1	40.0	40.3	40.6	40.8	40.9	40.9	41.2
GE 16000	1		27.7	29.5	33.5	35.2	35.8	37.4	38.7	39.1	40.0	40.3	40.6	40.8	40.9	40.9	41.2
GE 14000	1		28.0	29.8	33.8	35.5	36.1	37.7	39.0	39.4	40.3	40.6	40.9	41.1	41.2	41.2	41.6
GE 12000	1		28.0	29.8	33.8	35.5	36.1	37.7	39.0	39.4	40.3	40.6	40.9	41.1	41.2	41.2	41.6
GE 10000	1		29.2	31.2	35.5	37.3	37.9	40.0	41.2	41.7	42.6	42.9	43.2	43.4	43.5	43.5	43.8
GE 9000	1		29.8	31.8	36.1	37.9	38.5	40.8	42.0	42.6	43.5	43.8	44.1	44.3	44.4	44.4	44.7
GE 8000	1		32.1	34.2	38.8	40.6	41.2	43.5	44.7	45.4	46.7	47.2	47.5	47.6	47.8	47.8	48.1
GE 7000	1		32.6	34.7	39.6	41.4	42.0	44.3	45.5	46.1	47.5	47.9	48.2	48.4	48.6	48.6	48.9
GE 6000	1		32.6	34.9	39.7	41.6	42.2	44.6	45.8	46.6	47.9	48.4	48.7	48.9	49.0	49.0	49.3
GE 5000	1		35.2	38.1	44.0	45.8	46.4	49.6	51.4	52.2	53.6	54.0	54.3	54.5	54.6	54.6	54.9
GE 4500	1		37.6	40.9	47.9	50.1	50.7	54.3	56.3	57.1	58.6	59.1	59.4	59.5	59.7	59.7	60.0
GE 4000	1		42.0	45.5	53.3	55.9	56.6	60.4	62.6	63.3	64.8	65.3	65.6	65.8	65.9	65.9	66.2
GE 3500	1		44.4	48.2	56.2	58.8	59.5	63.5	65.9	66.7	68.2	68.6	68.9	69.1	69.3	69.3	69.7
GE 3000	1		47.0	51.0	59.4	62.4	63.2	67.6	70.2	71.2	72.9	73.4	73.7	73.8	74.0	74.0	74.4
GE 2500	1		49.6	53.7	62.1	65.3	66.1	70.8	73.4	74.6	76.3	76.7	77.0	77.2	77.3	77.3	77.8
GE 2000	1		51.6	55.9	64.4	67.9	68.6	73.4	76.0	77.2	78.8	79.3	79.6	79.8	79.9	79.9	80.4
GE 1800	1		52.1	56.3	64.8	68.3	69.1	73.8	76.4	77.6	79.3	79.8	80.1	80.2	80.4	80.4	80.8
GE 1500	1		54.2	58.8	67.6	71.2	72.1	76.9	79.5	80.7	82.3	82.8	83.1	83.3	83.4	83.4	83.9
GE 1200	1		55.7	60.3	69.7	73.5	74.4	79.1	82.0	83.3	84.9	85.4	85.7	85.8	86.0	86.0	86.5
GE 1000	1		57.4	61.9	71.7	75.8	76.9	81.6	84.8	86.0	87.8	88.3	88.6	88.7	88.9	88.9	89.5
GE 900	1		57.8	62.4	72.1	76.3	77.3	82.0	85.2	86.5	88.6	89.0	89.3	89.5	89.6	89.6	90.3
GE 800	1		58.1	62.7	72.8	76.9	77.9	82.6	86.0	87.2	89.3	89.8	90.1	90.3	90.4	90.4	91.0
GE 700	1		58.6	63.3	73.8	78.1	79.1	83.9	87.2	88.4	90.6	91.0	91.3	91.5	91.6	91.6	92.2
GE 600	1		58.9	63.6	74.4	79.1	80.2	84.9	88.3	89.5	91.6	92.1	92.4	92.5	92.7	92.7	93.3
GE 500	1		59.4	64.7	75.5	80.2	81.3	86.0	89.3	90.7	93.0	93.5	93.8	93.9	94.1	94.1	94.7
GE 400	1		59.4	64.7	76.0	80.8	81.9	86.6	90.6	92.1	94.5	95.0	95.3	95.4	95.6	95.6	96.2
GE 300	1		59.4	64.7	76.0	80.8	82.0	86.8	91.0	92.5	95.3	95.7	96.0	96.2	96.3	96.3	97.0
GE 200	1		59.4	64.7	76.0	80.8	82.0	86.8	91.2	93.2	96.3	97.1	97.4	97.6	97.7	97.7	98.4
GE 100	1		59.4	64.7	76.0	80.8	82.0	86.8	91.2	93.2	96.3	97.1	97.4	97.6	97.9	97.9	99.7
GE 0	1		59.4	64.7	76.0	80.8	82.0	86.8	91.2	93.2	96.3	97.1	97.4	97.6	97.9	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 657

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		20.1	21.3	24.3	26.4	27.3	29.7	30.8	31.6	32.7	32.8	32.8	32.8	33.0	33.0	33.0
GE 20000		22.3	23.5	27.2	29.3	30.2	33.0	34.3	35.2	36.8	37.4	37.5	37.6	37.9	37.9	38.0
GE 18000		22.5	23.8	27.5	29.5	30.5	33.2	34.6	35.4	37.1	37.6	37.8	37.9	38.2	38.2	38.3
GE 16000		22.5	23.8	27.5	29.5	30.5	33.2	34.6	35.4	37.1	37.6	37.8	37.9	38.2	38.2	38.3
GE 14000		22.7	24.0	27.7	29.9	30.9	33.7	35.0	35.9	37.5	38.0	38.2	38.3	38.6	38.6	38.7
GE 12000		22.7	24.0	27.9	30.1	31.0	33.8	35.2	36.0	37.6	38.2	38.3	38.5	38.7	38.7	38.9
GE 10000		24.9	26.9	31.2	33.4	34.3	37.1	38.5	39.4	41.2	41.9	41.9	42.0	42.3	42.3	42.4
GE 9000		25.5	27.6	31.9	34.3	35.3	38.0	39.6	40.5	42.3	42.9	43.0	43.1	43.4	43.4	43.5
GE 8000		27.7	29.8	34.2	37.0	37.9	40.8	42.7	43.8	45.7	46.3	46.6	46.7	47.1	47.1	47.3
GE 7000		28.4	30.5	35.0	37.8	38.7	41.6	43.5	44.6	46.6	47.1	47.4	47.5	47.9	47.9	48.1
GE 6000		29.0	31.0	35.6	38.3	39.3	42.2	44.1	45.2	47.1	47.7	47.9	48.1	48.5	48.5	48.6
GE 5000		31.7	33.9	39.4	43.1	44.2	47.3	49.7	51.0	53.2	53.7	54.1	54.3	54.7	54.7	54.8
GE 4500		33.2	35.7	41.6	45.5	46.7	50.0	52.7	54.1	56.9	57.4	57.8	58.0	58.4	58.4	58.5
GE 4000		37.0	39.7	46.2	51.1	52.3	55.9	59.2	60.6	63.3	63.9	64.3	64.4	64.8	64.8	65.0
GE 3500		39.6	42.9	49.6	54.7	55.9	59.6	63.3	64.7	67.6	68.1	68.5	68.7	69.1	69.1	69.2
GE 3000		42.0	45.3	52.5	57.7	59.2	63.2	67.0	68.4	71.4	72.1	72.5	72.7	73.1	73.1	73.2
GE 2500		44.4	47.9	55.4	61.0	62.5	66.8	70.7	72.1	75.1	75.8	76.2	76.9	77.3	77.3	77.5
GE 2000		47.3	51.0	58.9	64.7	66.2	70.6	74.6	76.1	79.3	79.9	80.4	81.0	81.5	81.5	81.6
GE 1800		48.2	51.9	59.9	65.7	67.2	71.6	75.5	77.1	80.2	80.9	81.3	82.0	82.4	82.4	82.6
GE 1500		49.6	53.4	61.7	67.4	69.0	73.4	77.5	79.0	82.4	83.1	83.5	84.2	84.6	84.6	84.8
GE 1200		51.1	55.1	64.0	70.2	71.7	76.2	80.5	82.0	85.6	86.3	86.7	87.4	87.8	87.8	87.9
GE 1000		51.6	55.8	65.1	71.4	73.1	77.7	82.0	83.7	87.5	88.2	88.6	89.3	89.8	89.8	90.0
GE 900		51.9	56.2	65.5	71.8	73.5	78.2	82.6	84.2	88.0	88.7	89.1	89.8	90.4	90.4	90.5
GE 800		52.2	56.6	66.1	72.5	74.2	78.8	83.2	84.9	88.7	89.4	89.8	90.5	91.1	91.1	91.2
GE 700		52.2	56.6	66.2	72.9	74.6	79.4	83.9	85.6	89.4	90.1	90.5	91.2	91.8	91.8	91.9
GE 600		52.3	56.7	67.0	74.2	75.8	80.6	85.4	87.4	91.2	91.9	92.3	93.0	93.5	93.5	93.7
GE 500		52.9	57.7	68.4	75.5	77.3	82.1	87.1	89.1	93.3	94.0	94.4	95.1	95.6	95.6	95.7
GE 400		52.9	57.7	68.8	76.0	77.7	82.6	87.6	89.7	94.0	94.6	95.1	95.7	96.3	96.3	96.4
GE 300		52.9	57.7	68.8	76.0	77.7	82.6	87.6	89.8	94.1	94.8	95.3	96.2	96.8	96.8	97.1
GE 200		52.9	57.7	68.8	76.0	77.7	82.6	87.6	90.0	94.4	95.5	96.3	97.3	97.9	97.9	98.2
GE 100		52.9	57.7	68.8	76.0	77.7	82.6	87.6	90.0	94.5	95.6	96.6	97.5	98.4	98.5	100.0
GE 0		52.9	57.7	68.8	76.0	77.7	82.6	87.6	90.0	94.5	95.6	96.6	97.5	98.4	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 728

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	71.6	22.1	24.1	25.7	26.3	26.8	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
GE 20000		25.2	25.8	28.2	30.0	30.7	31.6	32.0	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
GE 18000		25.3	25.9	28.4	30.2	30.8	31.7	32.1	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
GE 16000		25.3	25.9	28.4	30.2	30.8	31.7	32.1	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
GE 14000		25.4	26.1	28.5	30.3	30.9	31.8	32.2	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 12000		25.5	26.2	28.6	30.4	31.1	32.5	32.3	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
GE 10000		28.4	29.0	31.6	33.6	34.3	35.2	35.6	35.8	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 9000		29.1	29.8	32.6	34.8	35.4	36.6	37.0	37.2	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 8000		31.5	32.3	35.6	37.7	38.6	40.1	40.6	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 7000		33.5	34.4	37.7	39.9	40.9	42.4	42.9	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 6000		33.6	34.5	38.1	40.3	41.3	42.7	43.3	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 5000		35.9	37.2	40.9	43.4	44.4	46.1	46.9	47.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 4500		37.5	39.0	42.9	45.4	46.5	48.1	48.9	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 4000		43.0	44.8	49.0	51.7	52.8	54.8	55.6	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 3500		46.7	48.7	53.1	56.0	57.0	59.1	59.8	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 3000		56.5	58.4	63.2	66.2	67.4	69.7	71.0	71.2	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 2500		61.2	63.4	68.3	71.5	72.8	75.4	76.6	76.9	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5
GE 2000		65.0	67.1	72.0	75.5	76.8	79.5	81.0	81.3	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9
GE 1800		65.2	67.4	72.4	75.9	77.2	79.8	81.4	81.6	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3
GE 1500		67.5	69.7	75.0	78.7	80.0	82.7	84.2	84.5	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1
GE 1200		69.8	72.3	78.0	81.9	83.2	86.1	88.1	88.3	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0
GE 1000		72.0	74.5	80.9	84.9	86.1	89.2	91.4	91.7	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 900		72.1	74.6	81.1	85.1	86.4	89.5	91.7	91.9	92.4	92.4	92.4	92.4	92.6	92.6	92.6	92.6
GE 800		72.9	75.5	82.4	86.4	87.7	90.9	93.3	93.6	94.2	94.2	94.2	94.2	94.4	94.4	94.4	94.4
GE 700		73.0	75.7	82.8	86.9	88.3	91.7	94.5	94.7	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5
GE 600		73.0	75.9	83.1	87.2	88.6	92.0	95.1	95.4	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4
GE 500		73.2	76.0	83.2	87.3	88.8	92.4	95.6	96.3	97.6	97.6	97.6	97.6	97.7	97.8	97.8	97.8
GE 400		73.2	76.0	83.2	87.3	88.8	92.4	95.6	96.3	97.8	97.8	97.8	97.8	97.9	98.1	98.1	98.1
GE 300		73.2	76.0	83.2	87.3	88.8	92.4	95.8	96.8	98.7	98.7	98.8	98.8	99.0	99.2	99.4	99.4
GE 200		73.2	76.0	83.2	87.3	88.8	92.4	95.8	96.8	98.7	98.7	98.7	98.7	99.1	99.2	100.0	100.0
GE 100		73.2	76.0	83.2	87.3	88.8	92.4	95.8	96.8	98.7	98.7	98.7	98.7	99.1	99.2	100.0	100.0
GE 0		73.2	76.0	83.2	87.3	88.8	92.4	95.8	96.8	98.7	98.7	98.7	98.7	99.1	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 779

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3
NO CEIL	1		19.6	20.3	21.7	22.1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
GE 20000			26.1	26.9	28.6	29.4	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 18000			26.2	27.0	28.7	29.5	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
GE 16000			26.2	27.0	28.7	29.5	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
GE 14000			26.5	27.2	29.0	29.7	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
GE 12000			27.1	27.9	29.6	30.4	30.7	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
GE 10000			28.6	29.4	31.1	32.0	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
GE 9000			29.7	30.5	32.2	33.1	33.5	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
GE 8000			33.6	34.4	36.3	37.5	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 7000			34.8	35.9	37.8	39.3	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 6000			34.9	36.0	37.9	39.4	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 5000			38.5	39.6	41.8	43.4	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 4500			41.7	42.8	45.0	46.8	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 4000			49.6	50.8	53.2	55.2	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 3500			57.5	58.8	61.4	63.6	64.1	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 3000			70.4	71.9	74.8	77.2	77.8	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 2500			75.9	77.5	80.7	83.1	83.7	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 2000			77.5	79.4	82.6	84.9	85.6	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1800			78.0	79.9	83.3	85.7	86.3	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 1500			81.2	83.4	87.6	90.0	90.6	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1200			82.7	85.1	89.3	91.8	92.5	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1000			83.4	85.8	90.7	93.4	94.0	95.5	96.0	96.1	96.1	96.2	96.2	96.4	96.4	96.4	96.4
GE 900			83.8	86.2	91.1	94.0	94.6	96.2	96.7	96.9	96.9	97.0	97.0	97.1	97.1	97.1	97.1
GE 800			83.8	86.2	91.3	94.4	95.0	96.7	97.2	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.6
GE 700			83.8	86.2	91.3	94.6	95.5	97.4	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2
GE 600			83.9	86.3	91.5	94.7	95.6	97.7	98.2	98.5	98.6	98.7	98.7	98.9	98.9	98.9	98.9
GE 500			84.1	86.4	91.6	94.9	95.7	98.0	98.6	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2
GE 400			84.1	86.4	91.6	94.9	95.7	98.0	98.6	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4
GE 300			84.1	86.4	91.6	94.9	95.7	98.1	98.7	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 200			84.1	86.4	91.6	94.9	95.7	98.1	98.7	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 100			84.1	86.4	91.6	94.9	95.7	98.1	98.7	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 0			84.1	86.4	91.6	94.9	95.7	98.1	98.7	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		23.2	23.2	23.9	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
GE 20000		29.8	29.9	31.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
GE 18000		29.9	30.0	31.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
GE 16000		30.3	30.4	31.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 14000		30.3	30.4	31.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 12000		32.4	32.5	33.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 10000		33.9	34.1	35.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 9000		35.1	35.3	36.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 8000		38.7	38.8	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 7000		41.0	41.2	42.3	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 6000		41.0	41.2	42.3	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 5000		44.0	44.3	45.9	46.9	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 4500		48.5	49.1	51.0	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 4000		57.9	58.7	60.7	61.9	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 3500		66.2	67.1	69.3	70.8	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 3000		75.6	76.7	79.0	80.6	80.9	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 2500		81.0	82.2	84.9	86.8	87.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2000		82.8	84.4	87.2	89.1	89.4	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 1800		83.5	85.1	87.8	89.8	90.0	90.7	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1500		84.9	86.6	89.9	91.9	92.1	92.8	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1200		86.1	87.9	91.6	93.8	94.1	94.9	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1000		86.4	88.5	92.3	94.6	94.9	95.9	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 900		86.4	88.6	92.4	94.8	95.0	96.1	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800		86.6	88.9	92.8	95.2	95.4	96.5	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 700		86.6	89.0	92.9	95.4	96.1	97.1	97.9	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3
GE 600		86.6	89.0	93.3	95.8	96.6	98.0	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6
GE 500		86.6	89.0	93.3	95.8	96.6	98.0	98.8	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 400		86.6	89.0	93.3	95.8	96.6	98.0	98.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300		86.6	89.0	93.3	95.8	96.6	98.0	98.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200		86.6	89.0	93.3	95.8	96.6	98.0	98.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100		86.6	89.0	93.3	95.8	96.6	98.0	98.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 0		86.6	89.0	93.3	95.8	96.6	98.0	98.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 763

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS (LST): 1800-2400

CEILING IN FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		29.1	30.0	30.6	31.4	31.9	32.0	32.2	32.2	32.3	32.5	32.5	32.5	32.5	32.5	32.5
GE 20000		37.7	39.1	40.2	41.3	41.7	42.0	42.2	42.3	42.5	42.7	42.7	42.7	42.7	42.7	42.7
GE 18000		37.8	39.2	40.3	41.4	41.9	42.2	42.3	42.5	42.7	42.8	42.8	42.8	42.8	42.8	42.8
GE 16000		37.8	39.4	40.5	41.6	42.0	42.3	42.5	42.7	42.8	43.0	43.0	43.0	43.0	43.0	43.0
GE 14000		37.8	39.4	40.5	41.6	42.0	42.3	42.5	42.7	42.8	43.0	43.0	43.0	43.0	43.0	43.0
GE 12000		38.8	40.6	42.0	43.1	43.6	43.9	44.1	44.2	44.4	44.5	44.5	44.5	44.5	44.5	44.5
GE 10000		40.8	42.8	44.2	45.3	45.8	46.1	46.3	46.4	46.6	46.7	46.7	46.7	46.7	46.7	46.7
GE 9000		41.6	43.8	45.2	46.3	46.7	47.0	47.2	47.3	47.5	47.7	47.7	47.7	47.7	47.7	47.7
GE 8000		45.2	47.7	49.1	50.3	50.8	51.3	51.4	51.6	51.7	51.9	51.9	51.9	51.9	51.9	51.9
GE 7000		47.0	49.7	51.4	52.7	53.1	53.6	53.8	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2
GE 6000		47.2	49.8	51.6	52.8	53.3	53.8	53.9	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.4
GE 5000		49.5	52.5	54.5	55.8	56.3	56.7	56.9	57.0	57.2	57.3	57.3	57.3	57.3	57.3	57.3
GE 4500		52.8	56.1	58.3	59.5	60.0	60.5	60.6	60.8	61.3	61.4	61.4	61.4	61.4	61.4	61.4
GE 4000		60.0	63.8	66.1	67.3	67.8	68.3	68.4	68.6	69.2	69.4	69.4	69.4	69.4	69.4	69.4
GE 3500		63.4	67.2	69.7	70.9	71.4	72.2	72.3	72.5	73.1	73.3	73.3	73.3	73.3	73.3	73.3
GE 3000		69.1	73.1	76.3	77.5	78.0	78.8	78.9	79.1	80.0	80.2	80.2	80.2	80.2	80.2	80.2
GE 2500		73.0	77.2	81.1	82.5	83.0	83.9	84.1	84.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3
GE 2000		75.5	80.2	84.1	85.5	86.1	87.3	87.7	87.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1
GE 1800		75.6	80.3	84.2	85.6	86.3	87.5	87.8	88.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2
GE 1500		76.7	81.6	85.6	87.2	87.8	89.2	89.7	89.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1
GE 1200		78.3	83.3	88.3	90.2	90.8	92.5	93.0	93.4	94.5	94.8	95.0	95.0	95.0	95.0	95.0
GE 1000		78.8	83.8	88.9	90.8	91.4	93.1	93.8	94.5	95.8	96.1	96.3	96.3	96.3	96.3	96.3
GE 900		79.1	84.2	89.4	91.3	91.9	93.6	94.2	95.0	96.3	96.6	96.7	96.7	96.7	96.7	96.7
GE 800		79.5	84.7	89.8	91.9	92.5	94.4	95.2	95.9	97.2	97.5	97.7	97.7	97.7	97.7	97.7
GE 700		79.7	84.8	90.0	92.3	93.0	94.8	95.9	96.7	98.0	98.3	98.4	98.4	98.4	98.4	98.4
GE 600		79.8	85.0	90.5	92.8	93.4	95.3	96.4	97.2	98.4	98.8	98.9	98.9	98.9	98.9	98.9
GE 500		79.8	85.0	90.5	93.0	93.6	95.5	96.7	97.7	99.2	99.5	99.7	99.7	99.7	99.7	99.7
GE 400		79.8	85.0	90.5	93.0	93.6	95.5	96.7	97.7	99.4	99.7	99.8	99.8	99.8	99.8	99.8
GE 300		79.8	85.0	90.5	93.0	93.6	95.5	96.7	97.7	99.5	99.8	100.0	100.0	100.0	100.0	100.0
GE 200		79.8	85.0	90.5	93.0	93.6	95.5	96.7	97.7	99.5	99.8	100.0	100.0	100.0	100.0	100.0
GE 100		79.8	85.0	90.5	93.0	93.6	95.5	96.7	97.7	99.5	99.8	100.0	100.0	100.0	100.0	100.0
GE 0		79.8	85.0	90.5	93.0	93.6	95.5	96.7	97.7	99.5	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 640

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): 2100-2300

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	36.8	39.0	40.3	40.9	41.1	41.1	41.7	41.7	42.2	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 20000	41.5	43.8	46.1	47.3	47.5	47.5	48.1	48.1	48.6	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 18000	41.9	44.2	46.5	47.7	47.9	47.9	48.4	48.4	49.0	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 16000	41.9	44.2	46.5	47.7	47.9	47.9	48.4	48.4	49.0	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 14000	41.9	44.2	46.5	47.7	47.9	47.9	48.4	48.4	49.0	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 12000	41.9	44.4	47.1	48.3	48.4	48.4	49.0	49.0	49.6	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 10000	43.4	45.9	48.6	49.8	50.0	50.0	50.6	50.6	51.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 9000	43.4	45.9	48.6	49.8	50.0	50.0	50.6	50.6	51.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 8000	45.0	47.9	50.8	51.9	52.1	52.1	52.7	52.7	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 7000	46.1	49.2	52.1	53.3	53.5	53.5	54.1	54.1	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 6000	46.1	49.4	52.5	53.7	53.9	53.9	54.5	54.5	55.0	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 5000	48.3	51.6	54.7	56.2	56.4	56.4	57.0	57.0	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 4500	52.1	55.6	58.7	60.5	60.7	60.7	61.2	61.2	62.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 4000	57.4	60.9	64.3	66.1	66.3	66.3	66.9	66.9	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 3500	61.6	65.1	68.6	70.5	70.9	70.9	71.5	71.5	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 3000	68.4	72.3	76.2	78.1	78.5	78.5	79.1	79.1	80.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 2500	71.3	75.4	79.8	82.4	82.8	82.8	83.3	83.3	84.3	84.9	85.1	85.1	85.1	85.1	85.1	85.1
GE 2000	73.1	77.1	81.8	84.7	85.1	85.1	85.7	85.7	86.6	87.2	87.4	87.4	87.4	87.4	87.4	87.4
GE 1800	73.3	77.3	82.0	85.1	85.5	85.5	86.0	86.0	87.0	87.6	87.8	87.8	87.8	87.8	87.8	87.8
GE 1500	74.2	78.3	83.1	86.2	86.6	86.6	87.2	87.2	88.2	88.8	89.0	89.0	89.0	89.0	89.0	89.0
GE 1200	76.6	80.8	86.4	89.5	89.9	89.9	90.5	90.5	91.5	92.1	92.2	92.2	92.2	92.2	92.2	92.2
GE 1000	77.9	82.4	88.4	91.5	91.9	91.9	92.4	92.4	93.4	94.2	94.6	94.6	94.6	94.6	94.6	94.6
GE 900	77.9	82.4	88.4	91.5	91.9	91.9	92.8	92.8	93.8	94.6	95.0	95.0	95.0	95.0	95.0	95.0
GE 800	78.9	83.7	89.9	93.2	93.6	93.6	94.6	94.6	95.5	96.3	96.7	96.7	96.7	96.7	96.7	96.7
GE 700	79.1	84.1	90.3	93.8	94.2	94.2	95.5	95.5	96.5	97.3	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	79.5	84.5	91.1	94.8	95.2	95.2	96.5	96.5	97.5	98.3	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	79.5	84.5	91.1	94.8	95.2	95.2	96.5	96.5	97.5	98.3	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	79.5	84.5	91.3	95.0	95.5	95.5	96.9	96.9	97.9	98.8	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	79.5	84.5	91.3	95.0	95.5	95.5	97.1	97.1	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	79.5	84.5	91.3	95.0	95.5	95.5	97.1	97.1	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	79.5	84.5	91.3	95.0	95.5	95.5	97.1	97.1	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	79.5	84.5	91.3	95.0	95.5	95.5	97.1	97.1	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL			24.9	25.9	27.9	29.0	29.4	30.0	30.5	30.7	31.0	31.2	31.2	31.2	31.2	31.2	31.3
GE 2000			29.7	30.9	33.3	34.8	35.3	36.1	36.6	36.9	37.3	37.6	37.6	37.6	37.7	37.7	37.8
GE 1800			29.9	31.1	33.5	35.0	35.4	36.3	36.8	37.1	37.5	37.7	37.8	37.8	37.9	37.9	38.0
GE 1600			29.9	31.2	33.6	35.0	35.5	36.4	36.9	37.1	37.6	37.8	37.9	37.9	38.0	38.0	38.0
GE 1400			30.1	31.3	33.8	35.2	35.7	36.6	37.1	37.3	37.8	38.0	38.1	38.1	38.2	38.2	38.2
GE 1200			30.7	32.0	34.5	36.0	36.4	37.3	37.8	38.0	38.5	38.7	38.8	38.8	38.9	38.9	38.9
GE 1000			32.5	33.9	36.6	38.1	38.6	39.5	40.1	40.3	40.8	41.0	41.1	41.1	41.2	41.2	41.3
GE 900			33.3	34.7	37.4	39.0	39.5	40.5	41.0	41.3	41.8	42.0	42.0	42.1	42.1	42.1	42.2
GE 800			36.0	37.6	40.5	42.2	42.7	43.8	44.4	44.7	45.3	45.5	45.6	45.6	45.7	45.7	45.7
GE 700			37.4	39.1	42.0	43.8	44.4	45.4	46.1	46.4	47.0	47.2	47.3	47.3	47.4	47.4	47.4
GE 600			37.5	39.3	42.3	44.1	44.6	45.7	46.4	46.7	47.3	47.5	47.6	47.6	47.7	47.7	47.7
GE 500			40.2	42.2	45.7	47.7	48.3	49.6	50.4	50.7	51.4	51.6	51.7	51.7	51.8	51.8	51.9
GE 450			43.1	45.4	49.2	51.3	52.0	53.3	54.2	54.6	55.4	55.6	55.7	55.7	55.8	55.8	55.9
GE 400			49.4	51.9	56.1	58.5	59.1	60.7	61.7	62.0	62.9	63.1	63.2	63.2	63.3	63.3	63.4
GE 350			54.0	56.8	61.1	63.6	64.3	66.1	67.1	67.5	68.3	68.5	68.6	68.7	68.7	68.7	68.8
GE 300			61.1	63.9	68.6	71.3	72.1	74.0	75.3	75.7	76.6	76.9	77.0	77.0	77.1	77.1	77.2
GE 250			64.9	68.0	73.0	75.9	76.7	78.8	80.0	80.4	81.4	81.7	81.8	81.9	82.0	82.0	82.0
GE 200			67.3	70.7	75.8	78.9	79.8	81.9	83.3	83.7	84.7	85.0	85.1	85.2	85.3	85.3	85.4
GE 180			67.8	71.1	76.3	79.4	80.3	82.4	83.8	84.2	85.2	85.5	85.6	85.7	85.8	85.8	85.9
GE 150			59.7	73.2	78.7	82.0	82.8	85.0	86.5	86.9	87.9	88.2	88.3	88.4	88.5	88.5	88.6
GE 120			71.3	75.0	81.1	84.5	85.3	87.7	89.3	89.8	90.9	91.1	91.3	91.4	91.5	91.5	91.5
GE 1000			72.4	76.1	82.6	86.1	87.0	89.5	91.2	91.7	92.9	93.2	93.4	93.5	93.6	93.6	93.7
GE 900			72.6	76.4	82.9	86.5	87.3	89.8	91.6	92.1	93.3	93.6	93.8	93.9	94.0	94.0	94.1
GE 800			73.0	76.9	83.5	87.2	88.1	90.6	92.5	93.0	94.2	94.5	94.7	94.8	94.9	94.9	95.0
GE 700			73.1	77.1	83.9	87.7	88.7	91.3	93.3	93.8	95.0	95.4	95.5	95.7	95.8	95.8	95.9
GE 600			73.3	77.3	84.3	88.3	89.3	92.1	94.1	94.0	96.1	96.4	96.5	96.7	96.8	96.8	96.9
GE 500			73.5	77.6	84.7	88.8	89.8	92.6	94.8	95.5	97.0	97.3	97.5	97.6	97.7	97.7	97.8
GE 400			73.5	77.6	84.9	89.0	90.1	92.9	95.1	95.9	97.5	97.9	98.0	98.2	98.3	98.3	98.4
GE 300			73.5	77.6	84.9	89.1	90.2	93.0	95.3	96.2	98.0	98.3	98.5	98.7	98.9	98.9	99.0
GE 200			73.5	77.6	84.9	89.1	90.2	93.0	95.4	96.3	98.2	98.7	98.9	99.1	99.4	99.4	99.8
GE 100			73.5	77.6	84.9	89.1	90.2	93.0	95.4	96.3	98.2	98.7	99.0	99.2	99.4	99.5	100.0
GE 0			73.5	77.6	84.9	89.1	90.2	93.0	95.4	96.3	98.2	98.7	99.0	99.2	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 5270

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS (LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		39.0	40.0	42.0	43.5	43.5	43.5	44.7	44.7	44.7	44.7	45.2	45.2	45.2	45.4
GE 20000		42.5	44.0	46.9	48.4	48.4	48.6	50.4	50.4	50.4	50.4	50.9	50.9	50.9	51.4
GE 18000		42.5	44.0	46.9	48.4	48.4	48.6	50.4	50.4	50.4	50.4	50.9	50.9	50.9	51.4
GE 16000		42.5	44.0	46.9	48.4	48.4	48.6	50.4	50.4	50.4	50.4	50.9	50.9	50.9	51.4
GE 14000		42.5	44.0	46.9	48.4	48.4	48.6	50.4	50.4	50.4	50.4	50.9	50.9	50.9	51.4
GE 12000		42.7	44.2	47.2	48.6	48.6	48.9	50.6	50.6	50.6	50.6	51.1	51.1	51.1	51.6
GE 10000		43.7	45.2	48.1	49.6	49.6	49.9	51.6	51.6	51.6	51.6	52.1	52.1	52.1	52.6
GE 9000		44.0	45.4	48.4	49.9	49.9	50.1	51.9	51.9	51.9	51.9	52.3	52.3	52.3	52.8
GE 8000		45.9	47.4	51.6	53.1	53.1	53.3	55.1	55.1	55.1	55.1	55.6	55.6	55.6	56.0
GE 7000		45.9	47.9	52.3	53.8	53.8	54.1	55.8	55.8	55.8	55.8	56.3	56.3	56.3	56.8
GE 6000		45.9	47.9	52.3	53.8	53.8	54.1	55.8	55.8	55.8	55.8	56.3	56.3	56.3	56.8
GE 5000		47.9	50.1	54.8	56.3	56.3	56.5	58.3	58.3	58.3	58.3	58.8	58.8	58.8	59.3
GE 4500		51.6	53.8	58.8	60.2	60.2	60.5	62.2	62.2	62.2	62.2	62.7	62.7	62.7	63.2
GE 4000		58.5	61.0	65.9	67.9	67.9	68.1	70.1	70.1	70.1	70.1	70.6	70.6	70.6	71.1
GE 3500		60.5	63.7	68.6	70.6	70.6	70.9	73.1	73.1	73.1	73.1	73.6	73.6	73.6	74.1
GE 3000		63.0	66.9	72.1	74.1	74.1	74.3	76.5	76.5	76.5	76.5	77.0	77.0	77.0	77.5
GE 2500		65.2	69.4	74.8	76.8	76.8	77.0	79.3	79.3	79.3	79.3	79.8	79.8	79.8	80.2
GE 2000		66.9	71.1	77.0	79.3	79.3	79.5	81.7	81.7	81.7	81.7	82.2	82.2	82.2	82.7
GE 1800		66.9	71.1	77.3	79.5	79.5	79.8	82.0	82.0	82.0	82.0	82.5	82.5	82.5	83.0
GE 1500		67.9	72.6	79.5	82.0	82.0	82.2	84.4	84.4	84.4	84.4	84.9	84.9	84.9	85.4
GE 1200		68.6	73.3	80.5	83.0	83.0	83.2	85.4	85.4	85.4	85.4	85.9	85.9	85.9	86.4
GE 1000		70.4	75.1	82.5	84.9	84.9	85.2	87.7	88.1	88.1	88.1	88.6	88.6	88.6	89.1
GE 900		70.4	75.1	82.5	85.4	85.4	85.7	88.1	88.6	88.6	88.6	89.1	89.1	89.1	89.6
GE 800		70.9	75.6	83.5	86.4	86.4	86.7	89.1	89.6	89.6	89.6	90.1	90.1	90.1	90.6
GE 700		71.1	76.5	84.4	87.9	87.9	88.1	90.6	91.1	91.1	91.1	91.6	91.6	91.6	92.1
GE 600		71.1	76.5	85.2	88.6	88.6	88.9	91.4	91.9	91.9	91.9	92.3	92.3	92.3	92.8
GE 500		71.1	76.5	85.2	88.9	89.1	89.4	91.9	92.6	92.6	92.6	93.1	93.1	93.1	93.6
GE 400		71.1	76.5	85.2	89.1	89.4	90.4	92.8	93.6	93.6	93.8	94.3	94.3	94.3	94.8
GE 300		71.1	76.5	85.7	90.4	90.9	91.9	94.3	95.1	95.3	95.3	96.0	96.3	96.3	96.8
GE 200		71.1	76.5	85.7	90.6	91.1	92.3	94.8	95.6	96.0	96.3	97.0	97.3	97.5	98.3
GE 100		71.1	76.5	85.7	90.6	91.1	92.3	94.8	95.6	96.0	96.3	97.0	97.3	98.0	100.0
GE 0		71.1	76.5	85.7	90.6	91.1	92.3	94.8	95.6	96.0	96.3	97.0	97.3	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: D35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS(LST): 0300-0500

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		28.3	30.3	35.1	37.2	38.0	38.7	39.3	39.6	39.9	39.9	40.2	40.7	41.0	41.0	41.1
GE 20000		31.3	33.3	38.6	40.7	41.5	42.7	43.7	44.5	44.9	44.9	45.4	45.8	46.1	46.4	46.7
GE 18000		31.3	33.3	38.6	40.7	41.5	42.7	43.7	44.5	44.9	44.9	45.4	45.8	46.1	46.4	46.7
GE 16000		31.3	33.3	38.6	40.7	41.5	42.7	43.7	44.5	44.9	44.9	45.4	45.8	46.1	46.4	46.7
GE 14000		31.3	33.3	38.6	40.7	41.5	42.7	43.7	44.5	44.9	44.9	45.4	45.8	46.1	46.4	46.7
GE 12000		31.5	33.4	38.7	40.8	41.6	42.8	43.9	44.6	45.1	45.1	45.5	46.0	46.3	46.6	46.9
GE 10000		33.3	35.6	40.8	43.0	43.7	45.1	46.3	47.0	47.7	47.7	48.1	48.6	48.9	49.2	49.5
GE 9000		34.3	36.6	41.9	44.3	45.1	46.4	47.7	48.4	49.0	49.0	49.5	49.9	50.2	50.5	50.8
GE 8000		36.6	38.9	44.9	47.4	48.1	49.5	50.7	51.4	52.0	52.0	52.5	53.0	53.6	54.0	54.3
GE 7000		37.2	39.5	45.5	48.1	48.9	50.2	51.4	52.2	52.8	52.8	53.3	53.7	54.3	54.8	55.1
GE 6000		37.2	39.5	45.5	48.1	48.9	50.2	51.4	52.2	52.8	52.8	53.3	53.7	54.3	54.8	55.1
GE 5000		38.1	40.5	46.9	49.8	50.5	52.2	53.4	54.3	55.1	55.1	55.5	56.0	56.6	57.0	57.3
GE 4500		40.7	43.3	49.9	52.8	53.6	55.4	56.6	57.5	58.2	58.2	58.7	59.2	59.8	60.2	60.5
GE 4000		44.9	47.7	54.6	57.9	59.0	60.8	62.0	62.9	63.7	63.7	64.1	64.6	65.2	65.7	66.1
GE 3500		46.7	49.8	57.8	61.3	62.3	64.1	65.4	66.4	67.3	67.3	67.8	68.2	68.8	69.3	69.7
GE 3000		48.7	52.2	60.5	64.4	65.5	67.5	68.8	69.9	71.1	71.1	71.6	72.0	72.6	73.1	73.5
GE 2500		51.1	54.8	63.7	67.8	68.8	70.8	72.2	73.2	74.4	74.4	74.9	75.3	75.9	76.4	76.9
GE 2000		53.7	57.6	66.7	71.1	72.2	74.3	75.6	76.7	77.9	77.9	78.4	78.8	79.6	80.0	80.5
GE 1800		53.7	57.6	66.7	71.1	72.2	74.3	75.6	76.7	77.9	77.9	78.4	78.8	79.6	80.0	80.5
GE 1500		55.2	59.3	69.0	74.0	75.2	77.3	78.7	79.7	80.9	80.9	81.4	81.8	82.6	83.1	83.5
GE 1200		55.8	60.1	70.0	75.3	76.6	78.8	80.3	81.4	82.6	82.6	83.1	83.5	84.3	84.7	85.2
GE 1000		56.7	61.0	71.0	76.7	78.2	80.5	82.3	83.5	84.7	84.7	85.2	85.6	86.4	86.8	87.3
GE 900		56.7	61.0	71.0	77.0	78.5	80.8	82.6	83.8	85.0	85.0	85.5	85.9	86.7	87.1	87.6
GE 800		56.9	61.1	71.3	77.6	79.1	81.4	83.2	84.4	85.6	85.6	86.1	86.5	87.3	87.7	88.2
GE 700		57.2	62.0	72.2	78.5	80.0	82.3	84.1	85.3	86.7	86.7	87.1	87.6	88.4	88.8	89.3
GE 600		57.5	62.5	73.5	80.0	81.8	84.1	86.2	87.6	89.0	89.0	89.4	89.9	90.6	91.1	91.5
GE 500		57.5	62.5	73.7	80.5	82.5	84.9	87.0	88.4	89.7	89.9	90.5	90.9	91.7	92.3	92.7
GE 400		57.6	62.6	73.8	80.8	82.8	85.2	87.7	89.3	90.8	90.9	91.5	92.0	92.7	93.3	93.8
GE 300		57.6	62.6	74.0	80.9	82.9	85.8	88.4	90.0	91.7	91.8	92.6	93.0	93.8	94.9	95.9
GE 200		57.6	62.6	74.3	81.2	83.2	86.1	88.7	90.5	92.1	92.3	93.2	93.9	94.9	96.1	97.9
GE 100		57.6	62.6	74.3	81.2	83.2	86.1	88.7	90.5	92.1	92.3	93.2	94.1	95.2	96.5	100.0
GE 0		57.6	62.6	74.3	81.2	83.2	86.1	88.7	90.5	92.1	92.3	93.2	94.1	95.2	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 661

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS: 1500-0600

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		24.2	25.6	28.9	31.4	31.6	32.9	33.4	33.6	33.6	33.6	33.6	33.6	33.6	33.7	34.0	
GE 20000		28.3	30.0	34.3	36.9	37.1	38.5	39.2	39.3	39.3	39.3	39.5	39.5	39.5	39.6	39.9	
GE 18000		28.3	30.0	34.3	36.9	37.1	38.5	39.2	39.3	39.3	39.3	39.5	39.5	39.5	39.6	39.9	
GE 16000		28.3	30.0	34.3	36.9	37.1	38.5	39.2	39.3	39.3	39.3	39.5	39.5	39.5	39.6	39.9	
GE 14000		28.5	30.1	34.4	37.1	37.4	38.8	39.5	39.6	39.6	39.6	39.8	39.8	39.8	39.9	40.2	
GE 12000		28.6	30.3	34.5	37.3	37.6	38.9	39.6	39.8	39.8	39.8	39.9	39.9	39.9	40.0	40.3	
GE 10000		30.4	32.0	36.5	39.6	39.9	41.3	42.1	42.2	42.2	42.2	42.4	42.4	42.4	42.5	42.8	
GE 9000		30.8	32.6	37.3	40.4	40.7	42.1	42.9	43.1	43.1	43.1	43.2	43.2	43.2	43.3	43.6	
GE 8000		35.2	37.0	42.1	45.4	45.7	47.2	48.0	48.1	48.3	48.4	48.6	48.6	48.8	49.0	49.2	
GE 7000		37.3	39.1	44.3	47.6	47.9	49.4	50.2	50.3	50.5	50.6	50.8	50.8	51.0	51.2	51.4	
GE 6000		37.3	39.1	44.3	47.6	47.9	49.4	50.2	50.3	50.5	50.6	50.8	50.8	51.0	51.2	51.4	
GE 5000		38.8	40.7	46.6	50.1	50.5	52.1	53.1	53.2	53.4	53.5	53.6	53.6	53.9	54.1	54.3	
GE 4500		39.8	41.7	48.3	51.9	52.3	53.9	54.9	55.0	55.2	55.3	55.4	55.4	55.7	55.8	56.1	
GE 4000		41.8	44.0	51.3	55.3	55.8	57.6	58.7	59.1	59.4	59.6	59.7	59.7	60.0	60.1	60.4	
GE 3500		44.3	46.6	54.3	58.6	59.1	61.1	62.2	62.6	62.9	63.0	63.1	63.1	63.4	63.5	63.8	
GE 3000		49.2	51.6	59.8	64.1	64.8	66.7	68.0	68.4	68.6	68.8	68.9	69.1	69.3	69.5	69.7	
GE 2500		50.9	53.2	61.5	65.9	66.6	68.5	69.7	70.3	70.6	70.7	70.8	71.0	71.3	71.4	71.7	
GE 2000		52.4	54.7	63.5	68.0	68.8	70.7	71.9	72.5	72.8	72.9	73.0	73.2	73.5	73.7	74.0	
GE 1800		52.4	54.7	63.8	68.2	69.1	71.0	72.2	72.8	73.0	73.2	73.3	73.5	73.7	74.0	74.3	
GE 1500		54.5	57.6	67.7	72.2	73.2	75.1	76.5	77.0	77.3	77.4	77.6	77.7	78.0	78.4	78.7	
GE 1200		55.6	59.0	69.6	74.4	75.4	77.3	78.7	79.2	79.5	79.6	79.8	79.9	80.2	80.6	80.9	
GE 1000		57.1	60.5	71.7	76.9	77.9	79.9	81.3	82.0	82.3	82.4	82.5	82.7	82.9	83.4	83.6	
GE 900		57.4	60.8	72.2	77.6	78.7	80.9	82.3	83.1	83.4	83.5	83.6	83.8	84.0	84.5	84.7	
GE 800		57.8	61.2	72.9	79.0	80.1	82.3	83.8	84.6	84.9	85.0	85.1	85.3	85.6	86.0	86.2	
GE 700		58.0	61.5	73.3	79.6	80.7	83.1	84.7	85.7	86.0	86.1	86.2	86.4	86.7	87.1	87.3	
GE 600		58.2	61.8	73.7	80.2	81.6	84.5	86.7	87.8	88.0	88.2	88.3	88.4	88.7	89.1	89.4	
GE 500		58.3	62.3	74.4	81.4	83.4	86.4	88.7	90.0	90.5	90.8	90.9	91.2	91.6	92.0	92.3	
GE 400		58.3	62.4	74.6	81.8	83.8	86.8	89.4	90.9	91.7	92.0	92.2	92.4	92.8	93.3	93.8	
GE 300		58.3	62.4	74.6	81.8	83.8	86.9	89.7	91.5	92.4	92.7	92.8	93.5	94.5	95.0	96.4	
GE 200		58.3	62.4	74.6	81.8	83.8	86.9	89.8	91.6	92.7	93.4	93.7	94.6	95.7	96.6	98.5	
GE 100		58.3	62.4	74.6	81.8	83.8	86.9	89.8	91.6	92.7	93.4	93.8	94.9	96.1	97.2	100.0	
GE 0		58.3	62.4	74.6	81.8	83.8	86.9	89.8	91.6	92.7	93.4	93.8	94.9	96.1	97.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 727

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: D35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	25.8	26.7	28.4	28.8	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
GE 20000	31.1	32.3	34.4	34.8	34.8	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 18000	31.1	32.3	34.4	34.8	34.8	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 16000	31.1	32.3	34.4	34.8	34.8	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 14000	31.4	32.5	34.7	35.1	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 12000	32.0	33.3	35.5	35.9	35.9	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 10000	33.4	34.7	37.0	37.5	37.7	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 9000	34.3	35.6	37.9	38.4	38.6	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
GE 8000	37.7	38.9	41.9	42.4	42.5	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 7000	39.1	40.5	43.4	44.1	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 6000	39.7	41.1	44.1	44.7	45.1	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 5000	41.0	42.5	46.4	47.2	47.6	47.7	47.8	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 4500	41.9	43.4	47.3	48.1	48.5	48.6	48.7	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 4000	47.4	49.1	53.6	54.6	55.0	55.3	55.5	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 3500	53.2	54.9	59.6	60.8	61.3	61.6	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 3000	62.5	64.3	69.2	70.4	71.0	71.3	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 2500	65.8	67.7	73.0	74.4	74.9	75.3	75.7	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2000	69.5	71.6	76.9	78.3	78.8	79.2	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 1800	69.8	71.9	77.2	78.7	79.2	79.6	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 1500	72.8	75.3	81.5	83.4	83.9	84.3	84.7	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1200	74.9	77.5	84.2	86.5	87.0	87.5	87.9	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1000	75.8	78.8	86.2	89.1	89.8	90.6	91.3	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 900	76.1	79.0	86.8	89.7	90.5	91.6	92.3	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 800	76.1	79.3	87.7	91.0	91.8	92.9	93.6	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 700	76.3	79.6	88.2	91.6	92.4	94.0	94.6	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 600	76.3	79.8	88.4	92.0	92.8	94.5	95.2	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 500	76.3	79.9	88.7	92.4	93.3	95.1	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 400	76.3	79.9	88.7	92.4	93.3	95.1	96.7	97.2	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 300	76.3	79.9	88.7	92.4	93.3	95.4	97.0	97.7	98.6	98.8	99.0	99.1	99.2	99.4	99.4	99.4
GE 200	76.3	79.9	88.7	92.4	93.3	95.4	97.0	97.7	98.6	98.8	99.0	99.5	99.7	100.0	100.0	100.0
GE 100	76.3	79.9	88.7	92.4	93.3	95.4	97.0	97.7	98.6	98.8	99.0	99.5	99.7	100.0	100.0	100.0
GE 0	76.3	79.9	88.7	92.4	93.3	95.4	97.0	97.7	98.6	98.8	99.0	99.5	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 778

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87

MONTH: MAY

HOURS (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		27.5	27.8	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
GE 20000		34.2	35.2	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 18000		34.5	35.5	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 16000		34.5	35.5	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 14000		34.7	35.7	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 12000		35.0	36.0	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 10000		37.6	38.6	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 9000		38.3	39.3	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 8000		41.3	42.4	43.4	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 7000		41.9	43.2	44.2	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 6000		41.9	43.3	44.3	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 5000		44.8	46.3	47.4	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 4500		45.8	47.3	48.4	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 4000		54.1	55.6	56.7	57.4	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 3500		62.5	64.0	65.4	66.3	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 3000		73.9	75.9	78.4	79.3	79.5	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 2500		77.7	79.7	82.3	83.1	83.4	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 2000		80.1	82.5	85.5	86.4	86.6	86.7	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1800		81.3	83.9	86.8	87.7	88.0	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 1500		83.6	86.6	90.4	91.4	91.7	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1200		84.4	87.6	91.7	92.8	93.3	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1000		85.1	88.5	93.1	94.4	95.0	95.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 900		85.2	88.6	93.2	94.7	95.3	95.8	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 800		85.2	88.7	93.3	94.8	95.4	96.0	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 700		85.4	88.8	93.4	94.9	95.7	96.4	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4
GE 600		85.4	88.8	93.5	95.0	95.8	96.7	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 500		85.4	88.8	93.5	95.2	96.0	97.1	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 400		85.4	88.8	93.5	95.2	96.0	97.1	98.8	98.9	99.5	99.6	99.8	99.8	99.8	99.8
GE 300		85.4	88.8	93.5	95.2	96.0	97.1	98.8	98.9	99.5	99.8	100.0	100.0	100.0	100.0
GE 200		85.4	88.8	93.5	95.2	96.0	97.1	98.8	98.9	99.5	99.8	100.0	100.0	100.0	100.0
GE 100		85.4	88.8	93.5	95.2	96.0	97.1	98.8	98.9	99.5	99.8	100.0	100.0	100.0	100.0
GE 0		85.4	88.8	93.5	95.2	96.0	97.1	98.8	98.9	99.5	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 806

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS(LST): 1500-1700

CEILING IN FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	30.1	30.6	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
GE 20000	37.0	37.9	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 18000	37.3	38.5	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 16000	37.3	38.5	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 14000	37.4	38.6	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 12000	38.3	39.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 10000	41.3	42.5	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 9000	41.9	43.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 8000	47.3	48.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 7000	47.6	48.8	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 6000	48.1	49.3	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 5000	51.8	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 4500	55.4	57.2	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 4000	63.5	65.4	66.5	66.6	66.6	66.6	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 3500	71.6	73.5	75.0	75.1	75.1	75.1	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 3000	80.8	83.3	85.1	85.3	85.3	85.3	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 2500	84.5	87.1	89.8	90.0	90.0	90.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 2000	85.5	88.1	91.1	91.3	91.3	91.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1800	85.9	88.5	91.5	91.7	91.7	91.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1500	86.7	89.3	92.4	93.0	93.0	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	86.8	89.6	92.7	93.4	93.4	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1000	86.8	89.7	93.0	94.0	94.0	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 900	87.1	90.0	93.4	94.5	94.7	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 800	87.1	90.0	93.5	94.7	94.8	95.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5
GE 700	87.2	90.1	93.7	95.3	95.6	96.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9
GE 600	87.2	90.1	93.9	95.4	95.7	96.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3
GE 500	87.2	90.1	94.0	95.7	96.0	97.3	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 400	87.2	90.1	94.0	95.7	96.0	97.3	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.3
GE 300	87.2	90.1	94.0	95.7	96.0	97.3	99.0	99.0	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 200	87.2	90.1	94.0	95.7	96.0	97.3	99.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 100	87.2	90.1	94.0	95.7	96.0	97.3	99.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 0	87.2	90.1	94.0	95.7	96.0	97.3	99.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 767

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS(LST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		39.0	39.9	40.8	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	
GE 20000		45.7	46.8	47.9	48.4	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	
GE 18000		46.0	47.3	48.4	48.8	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	
GE 16000		46.0	47.3	48.4	48.8	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	
GE 14000		46.0	47.3	48.4	48.8	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	
GE 12000		47.3	48.5	49.6	50.1	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	
GE 10000		49.8	51.3	52.6	53.1	53.7	53.8	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GE 9000		50.9	52.4	53.8	54.3	54.9	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	
GE 8000		55.6	57.3	59.2	59.8	60.6	60.7	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	
GE 7000		56.2	57.9	59.8	60.4	61.2	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	
GE 6000		56.5	58.2	60.1	60.7	61.5	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	
GE 5000		59.9	62.0	63.8	64.6	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	
GE 4500		63.7	65.9	67.9	68.9	69.6	69.8	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	
GE 4000		69.6	72.0	74.3	75.3	76.1	76.2	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	
GE 3500		75.6	77.9	80.6	81.5	82.3	82.5	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	
GE 3000		79.7	82.3	85.3	86.7	87.5	87.9	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	
GE 2500		81.5	84.2	87.6	89.0	89.8	90.3	90.9	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	
GE 2000		82.0	84.7	88.6	90.1	91.1	91.5	92.3	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.6	
GE 1800		82.3	85.0	88.9	90.5	91.4	91.9	92.6	92.6	92.8	93.0	93.0	93.0	93.0	93.0	93.0	
GE 1500		82.6	85.4	89.7	91.5	92.5	93.0	93.7	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	
GE 1200		82.8	85.8	90.3	92.8	93.7	94.2	95.1	95.1	95.5	95.6	95.6	95.6	95.6	95.6	95.6	
GE 1000		83.3	86.2	91.1	93.7	94.8	95.3	96.2	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	
GE 900		83.3	86.2	91.1	93.9	95.0	95.5	96.4	96.4	96.7	96.9	96.9	96.9	96.9	96.9	96.9	
GE 800		83.3	86.2	91.1	93.9	95.0	95.5	96.6	96.7	97.0	97.2	97.2	97.2	97.2	97.2	97.2	
GE 700		83.3	86.2	91.1	94.4	95.5	95.9	97.2	97.3	97.8	98.0	98.0	98.0	98.0	98.0	98.0	
GE 600		83.3	86.2	91.1	94.5	95.6	96.1	97.3	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	
GE 500		83.3	86.2	91.1	94.8	95.9	96.7	98.1	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	
GE 400		83.3	86.2	91.1	94.8	95.9	96.7	98.1	98.4	98.9	99.1	99.1	99.2	99.2	99.2	99.2	
GE 300		83.3	86.2	91.1	94.8	95.9	96.7	98.1	98.4	99.2	99.4	99.4	99.5	99.5	99.5	99.5	
GE 200		83.3	86.2	91.1	94.8	95.9	96.7	98.1	98.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	
GE 100		83.3	86.2	91.1	94.8	95.9	96.7	98.1	98.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	
GE 0		83.3	86.2	91.1	94.8	95.9	96.7	98.1	98.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 639

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY HOURS(LST): 2100-2300

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		40.9	43.0	44.3	44.9	45.1	46.1	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 20000		46.8	49.7	51.8	52.4	52.6	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 18000		46.8	49.7	51.8	52.4	52.6	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 16000		46.8	49.7	51.8	52.4	52.6	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 14000		46.8	49.7	51.8	52.4	52.6	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 12000		46.8	49.7	51.8	52.4	52.6	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 10000		49.3	52.4	54.5	55.1	55.3	56.6	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 9000		50.3	53.4	55.5	56.0	56.2	57.6	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 8000		55.9	58.9	61.8	62.6	62.8	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 7000		56.2	59.3	62.4	63.1	63.3	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 6000		56.4	59.5	62.6	63.3	63.5	64.9	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 5000		59.3	62.4	65.5	66.2	66.4	67.8	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 4500		61.6	64.7	67.8	68.5	68.7	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 4000		67.0	70.8	74.3	75.0	75.2	76.6	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 3500		70.2	74.5	77.9	79.1	79.3	80.6	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 3000		73.3	77.5	81.4	82.9	83.1	84.5	84.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 2500		74.1	78.5	82.5	84.1	84.3	85.6	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2000		74.7	79.1	83.5	85.6	85.8	87.1	87.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1800		75.2	79.7	84.3	86.6	86.8	88.1	88.5	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1500		75.6	80.0	85.0	87.7	87.9	89.3	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 1200		76.0	81.4	86.8	90.4	90.8	92.1	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1000		77.0	82.7	88.1	91.7	92.1	93.5	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 900		77.4	83.1	88.5	92.1	92.5	93.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 800		77.5	83.3	89.1	92.7	93.1	94.4	95.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 700		77.5	83.3	89.3	92.9	93.5	94.8	95.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 600		77.5	83.3	89.6	93.3	93.9	95.2	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 500		77.5	83.3	89.6	93.5	94.2	95.8	96.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 400		77.7	83.5	89.8	93.7	94.4	96.0	96.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 300		77.7	83.5	90.0	93.9	94.6	96.2	96.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 200		77.7	83.5	90.0	93.9	94.6	96.2	96.9	98.3	98.7	99.0	99.2	99.6	99.8	99.8	100.0
GE 100		77.7	83.5	90.0	93.9	94.6	96.2	96.9	98.3	98.7	99.0	99.2	99.6	99.8	99.8	100.0
GE 0		77.7	83.5	90.0	93.9	94.6	96.2	96.9	98.3	98.7	99.0	99.2	99.6	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 521

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87

MONTH: MAY HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		30.9	31.9	33.7	34.6	34.8	35.2	35.4	35.5	35.5	35.5	35.6	35.7	35.7	35.7	35.8	
GE 20000		36.3	37.7	40.0	41.0	41.2	41.7	42.1	42.2	42.3	42.3	42.4	42.5	42.5	42.6	42.7	42.7
GE 18000		36.4	37.9	40.2	41.1	41.3	41.9	42.3	42.4	42.5	42.5	42.6	42.6	42.6	42.7	42.7	42.8
GE 16000		36.4	37.9	40.2	41.1	41.3	41.9	42.3	42.4	42.5	42.5	42.6	42.6	42.6	42.7	42.7	42.8
GE 14000		36.5	38.0	40.3	41.3	41.5	42.0	42.4	42.5	42.6	42.6	42.7	42.8	42.8	42.9	43.0	
GE 12000		37.0	38.5	40.8	41.7	42.0	42.5	42.9	43.0	43.1	43.1	43.2	43.3	43.3	43.3	43.3	
GE 10000		39.1	40.7	43.1	44.1	44.4	44.9	45.3	45.5	45.6	45.6	45.7	45.7	45.8	45.8	45.9	45.9
GE 9000		39.8	41.5	43.9	45.0	45.2	45.8	46.2	46.3	46.4	46.4	46.5	46.6	46.6	46.7	46.8	
GE 8000		43.7	45.4	48.4	49.5	49.8	50.3	50.8	50.9	51.0	51.0	51.1	51.2	51.3	51.4	51.5	
GE 7000		44.5	46.3	49.3	50.5	50.8	51.4	51.8	52.0	52.1	52.1	52.2	52.3	52.4	52.5	52.6	52.6
GE 6000		44.8	46.5	49.5	50.8	51.1	51.7	52.1	52.2	52.3	52.4	52.5	52.5	52.6	52.7	52.8	
GE 5000		47.1	49.0	52.4	53.7	54.0	54.6	55.1	55.3	55.4	55.4	55.5	55.6	55.7	55.8	55.9	
GE 4500		49.3	51.3	54.9	56.2	56.6	57.2	57.7	57.9	58.0	58.0	58.1	58.2	58.3	58.4	58.5	
GE 4000		55.1	57.4	61.2	62.8	63.2	63.9	64.5	64.7	64.9	64.9	65.0	65.1	65.2	65.3	65.4	
GE 3500		60.2	62.6	66.8	68.5	68.9	69.6	70.3	70.6	70.8	70.8	70.9	70.9	71.1	71.1	71.3	
GE 3000		66.5	69.2	73.9	75.8	76.2	77.0	77.8	78.1	78.3	78.3	78.4	78.5	78.6	78.7	78.8	
GE 2500		69.1	71.9	76.9	78.9	79.3	80.1	80.9	81.2	81.4	81.4	81.6	81.6	81.7	81.8	82.0	
GE 2000		70.9	73.9	79.2	81.3	81.8	82.6	83.4	83.7	84.0	84.0	84.1	84.2	84.3	84.4	84.5	
GE 1800		71.3	74.3	79.7	81.8	82.3	83.1	83.9	84.2	84.5	84.5	84.6	84.7	84.8	84.9	85.0	
GE 1500		72.8	76.1	82.2	84.6	85.1	86.0	86.9	87.2	87.4	87.4	87.5	87.6	87.7	87.9	88.0	
GE 1200		73.6	77.1	83.5	86.3	86.9	87.8	88.7	89.0	89.2	89.3	89.4	89.4	89.6	89.7	89.8	
GE 1000		74.5	78.1	84.8	87.9	88.6	89.6	90.6	91.0	91.3	91.3	91.5	91.5	91.7	91.8	91.9	
GE 900		74.6	78.3	85.1	88.3	89.1	90.2	91.3	91.6	91.9	92.0	92.1	92.2	92.3	92.4	92.5	
GE 800		74.8	78.5	85.5	89.0	89.7	90.8	92.0	92.4	92.7	92.8	92.9	92.9	93.1	93.2	93.3	
GE 700		74.9	78.8	85.9	89.6	90.3	91.6	92.9	93.4	93.8	93.8	93.9	94.0	94.1	94.2	94.4	
GE 600		75.0	78.9	86.3	90.0	90.9	92.3	93.8	94.4	94.7	94.7	94.9	94.9	95.1	95.2	95.3	
GE 500		75.0	79.0	86.5	90.4	91.5	93.1	94.8	95.4	95.8	95.9	96.0	96.1	96.2	96.4	96.5	
GE 400		75.1	79.1	86.5	90.6	91.6	93.3	95.1	95.8	96.4	96.5	96.7	96.8	97.0	97.1	97.3	
GE 300		75.1	79.1	86.6	90.7	91.8	93.5	95.4	96.2	97.0	97.1	97.3	97.6	97.8	98.1	98.5	
GE 200		75.1	79.1	86.7	90.8	91.8	93.6	95.5	96.3	97.2	97.5	97.8	98.2	98.5	98.8	99.5	
GE 100		75.1	79.1	86.7	90.8	91.8	93.6	95.5	96.3	97.2	97.5	97.8	98.2	98.6	99.0	100.0	
GE J1		75.1	79.1	86.7	90.8	91.8	93.6	95.5	96.3	97.2	97.5	97.8	98.2	98.6	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 5304

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

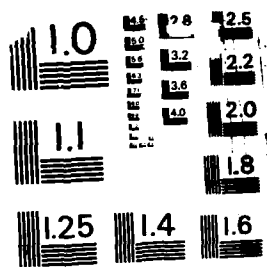
PERIOD OF RECORD: 78-87
MONTH: JUN HOURS (LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		32.6	34.4	38.4	39.7	40.2	41.1	42.1	42.1	42.3	42.3	42.5	42.7	43.2	43.2	43.4
GE 20000		34.6	36.7	41.7	43.2	43.6	44.4	45.4	45.4	45.6	45.6	45.9	46.1	46.5	46.5	46.7
GE 18000		34.6	36.7	41.7	43.2	43.6	44.4	45.4	45.4	45.6	45.6	45.9	46.1	46.5	46.5	46.7
GE 16000		34.6	36.7	41.7	43.2	43.6	44.4	45.4	45.4	45.6	45.6	45.9	46.1	46.5	46.5	46.7
GE 14000		35.1	37.1	42.1	43.6	44.0	44.8	45.9	45.9	46.1	46.1	46.3	46.5	46.9	46.9	47.1
GE 12000		35.3	37.3	42.3	43.8	44.2	45.0	46.1	46.1	46.3	46.3	46.5	46.7	47.1	47.1	47.3
GE 10000		36.7	38.8	44.2	45.6	46.1	47.1	48.1	48.1	48.3	48.3	48.8	49.0	49.4	49.4	49.6
GE 9000		37.8	39.8	45.2	46.7	47.1	48.1	49.2	49.2	49.4	49.4	49.8	50.0	50.4	50.4	50.6
GE 8000		41.3	43.4	49.0	50.4	50.8	51.9	52.9	52.9	53.1	53.1	53.5	53.7	54.1	54.1	54.4
GE 7000		41.7	43.8	49.8	51.2	51.7	52.7	53.7	53.7	53.9	53.9	54.4	54.6	55.0	55.0	55.2
GE 6000		42.1	44.2	50.2	51.7	52.1	53.3	54.4	54.4	54.6	54.6	55.0	55.2	55.6	55.6	55.8
GE 5000		45.2	47.3	53.9	55.4	55.8	57.3	58.3	58.3	58.5	58.5	58.9	59.1	59.5	59.8	60.0
GE 4500		47.9	50.4	57.3	58.7	59.1	60.8	61.8	61.8	62.0	62.0	62.4	62.7	63.1	63.3	63.5
GE 4000		54.4	57.1	64.7	66.2	66.6	68.7	69.7	69.7	69.9	69.9	70.3	70.5	71.0	71.2	71.4
GE 3500		57.3	60.0	67.6	69.1	69.5	71.8	72.8	72.8	73.0	73.0	73.4	73.7	74.1	74.3	74.5
GE 3000		60.8	64.1	72.0	73.7	74.1	76.3	78.0	78.0	78.2	78.2	78.6	78.8	79.3	79.5	79.7
GE 2500		61.0	64.3	72.4	74.1	74.5	76.8	78.4	78.4	78.6	78.6	79.0	79.3	79.7	79.9	80.1
GE 2000		63.1	66.4	74.7	76.3	76.8	79.0	80.7	80.7	80.9	80.9	81.3	81.5	82.0	82.2	82.4
GE 1800		63.1	66.4	74.7	76.3	76.8	79.0	80.7	80.7	80.9	80.9	81.3	81.5	82.0	82.2	82.4
GE 1500		65.1	68.7	77.2	78.8	79.3	81.7	83.4	83.4	83.6	83.6	84.0	84.2	84.6	84.8	85.0
GE 1200		66.8	70.5	79.0	80.7	81.3	83.8	85.5	85.5	85.7	85.7	86.1	86.3	86.7	86.9	87.1
GE 1000		68.7	72.4	81.3	83.2	84.0	86.5	88.2	88.2	88.4	88.4	88.8	89.0	89.4	89.6	89.8
GE 900		69.1	73.2	82.6	84.6	85.5	88.0	89.6	89.6	89.8	89.8	90.2	90.4	90.8	91.0	91.2
GE 800		69.5	73.7	83.0	85.1	85.9	88.4	90.2	90.2	90.5	90.5	90.9	91.1	91.5	91.7	91.9
GE 700		70.3	74.5	84.2	86.3	87.6	90.2	92.1	92.1	92.3	92.3	92.7	92.9	93.3	93.5	93.7
GE 600		70.3	74.5	84.2	86.7	88.0	90.7	92.5	92.5	92.7	92.7	93.1	93.3	93.7	93.9	94.1
GE 500		71.4	75.7	85.5	88.6	89.8	92.7	94.6	94.6	94.8	94.8	95.2	95.4	95.8	96.0	96.2
GE 400		71.8	76.1	86.7	89.8	91.1	94.0	95.9	95.9	96.1	96.1	96.5	96.7	97.1	97.3	97.5
GE 300		72.0	76.6	87.6	90.9	92.1	95.0	96.9	96.9	97.1	97.1	97.5	97.7	98.1	98.3	98.5
GE 200		72.0	76.6	87.6	90.9	92.1	95.2	97.5	97.5	97.7	97.7	98.1	98.3	98.7	98.9	99.1
GE 100		72.0	76.6	87.6	90.9	92.1	95.2	97.5	97.5	97.7	97.7	98.1	98.3	98.7	98.9	99.1
GE 0		72.0	76.6	87.6	91.1	92.3	95.4	97.7	97.7	97.9	97.9	98.3	98.5	98.9	99.1	99.3

TOTAL NUMBER OF OBSERVATIONS: 482

AD-A190 731 RAF ALCONBURY UNITED KINGDOM REVISED UNIFORM SUMMARY OF 3/3
SURFACE WEATHER O. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. MAR 88
UNCLASSIFIED USAFETAC/DS-88/013 F/C 4/2 NL

150
151
152



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NW CEIL	17.5	19.3	22.7	26.4	27.6	29.8	31.3	32.2	33.5	33.9	34.1	34.1	34.2	34.2	34.4
GE 20000	20.3	22.6	27.0	31.1	32.2	34.9	36.9	38.5	40.1	40.5	40.6	40.6	40.8	40.8	40.9
GE 18000	20.3	22.6	27.0	31.1	32.2	34.9	36.9	38.5	40.1	40.5	40.6	40.6	40.8	40.8	40.9
GE 16000	20.3	22.6	27.0	31.1	32.2	34.9	36.9	38.5	40.1	40.5	40.6	40.6	40.8	40.8	40.9
GE 14000	20.3	22.6	27.0	31.1	32.2	34.9	36.9	38.5	40.1	40.5	40.6	40.6	40.8	40.8	40.9
GE 12000	20.3	22.6	27.0	31.1	32.2	34.9	36.9	38.5	40.1	40.5	40.6	40.6	40.8	40.8	40.9
GE 10000	22.9	25.1	29.5	33.9	35.1	37.9	40.1	41.8	43.6	44.0	44.2	44.2	44.3	44.3	44.5
GE 9000	23.6	25.9	30.3	34.7	35.8	38.6	40.8	42.5	44.3	44.7	44.9	44.9	45.0	45.0	45.2
GE 8000	27.3	30.0	35.1	39.5	40.8	43.6	46.0	47.7	49.9	50.3	50.4	50.4	50.6	50.6	50.7
GE 7000	28.4	31.3	36.4	40.8	42.0	45.0	47.4	49.1	51.3	51.7	51.8	51.8	52.0	52.0	52.1
GE 6000	28.6	31.4	36.5	40.9	42.2	45.2	47.6	49.3	51.4	51.8	52.0	52.0	52.1	52.1	52.3
GE 5000	33.8	36.6	41.8	46.2	47.6	50.9	53.4	55.1	57.5	58.0	58.1	58.1	58.2	58.2	58.4
GE 4500	35.9	38.9	44.6	49.3	50.7	54.1	56.7	58.4	60.8	61.2	61.4	61.4	61.5	61.5	61.6
GE 4000	40.5	43.5	50.1	55.1	56.5	60.4	62.9	64.6	67.0	67.5	67.6	67.8	67.9	67.9	68.2
GE 3500	44.0	47.2	54.0	59.1	60.5	64.5	67.3	69.0	71.4	71.9	72.0	72.2	72.3	72.3	72.6
GE 3000	46.6	49.9	56.8	62.2	63.8	67.9	70.9	72.6	75.3	76.0	76.1	76.3	76.4	76.4	76.8
GE 2500	47.2	50.4	57.5	62.9	64.5	68.6	71.6	73.3	76.0	76.7	76.8	77.0	77.1	77.1	77.6
GE 2000	48.0	51.3	58.7	64.1	65.8	69.9	73.2	75.0	78.0	78.7	78.8	79.0	79.1	79.1	79.5
GE 1800	48.4	51.8	59.2	64.8	66.5	70.6	73.9	75.7	78.7	79.4	79.5	79.7	79.8	79.8	80.3
GE 1500	50.1	54.0	61.4	66.9	68.8	72.9	76.3	78.1	81.1	81.8	82.0	82.1	82.2	82.2	82.7
GE 1200	51.6	55.7	63.2	68.8	70.6	74.9	78.7	80.7	83.7	84.4	84.5	84.7	84.8	84.8	85.2
GE 1000	52.3	56.4	64.2	69.7	71.6	75.9	80.0	82.1	85.2	85.9	86.1	86.2	86.4	86.4	86.8
GE 900	52.3	56.8	64.9	70.6	72.6	77.1	81.3	83.4	86.5	87.2	87.4	87.5	87.6	87.6	88.1
GE 800	53.0	57.5	65.9	71.6	73.6	78.1	82.4	84.8	87.9	88.6	88.8	88.9	89.1	89.1	89.5
GE 700	54.1	58.8	67.2	72.9	75.0	79.7	83.9	86.4	89.5	90.3	90.5	90.6	90.8	90.8	91.2
GE 600	54.1	58.8	67.2	72.9	75.0	79.7	83.9	86.5	89.8	90.6	90.8	90.9	91.1	91.1	91.5
GE 500	54.4	59.2	68.2	74.3	76.6	81.5	85.9	88.5	91.8	92.8	92.9	93.0	93.3	93.5	93.9
GE 400	54.5	59.5	68.5	74.7	77.0	82.2	86.9	89.5	92.8	93.8	94.0	94.3	94.6	94.7	95.2
GE 300	54.5	59.5	68.8	75.1	77.7	83.0	87.6	90.2	93.8	94.7	95.0	95.6	96.0	96.4	97.7
GE 200	54.5	59.5	68.8	75.1	77.7	83.0	87.6	90.6	94.2	95.2	95.5	96.2	96.9	97.3	98.9
GE 100	54.5	59.5	68.8	75.1	77.7	83.0	87.6	90.6	94.2	95.2	95.5	96.3	97.2	97.6	100.0
GE 0	54.5	59.5	68.8	75.1	77.7	83.0	87.6	90.6	94.2	95.2	95.5	96.3	97.2	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 704

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	67 160	6E 90	6E 80	6E 60	6E 48	6E 40	6E 32	6E 24	6E 20	6E 16	6E 12	6E 10	6E 8	6E 5	6E 4
NO CEIL		19.5	21.0	23.6	26.2	27.0	29.0	29.7	30.1	30.1	30.3	30.4	30.5	30.5	30.7
GE 20000		24.6	26.5	29.6	32.9	33.7	36.0	36.7	37.3	37.5	37.6	37.8	37.9	38.2	38.4
GE 18000		24.6	26.5	29.7	33.1	33.9	36.1	36.8	37.5	37.6	37.8	37.9	38.0	38.3	38.6
GE 16000		24.6	26.5	29.7	33.1	33.9	36.1	36.8	37.5	37.6	37.8	37.9	38.0	38.3	38.6
GE 14000		24.8	26.6	29.9	33.2	34.0	36.3	36.9	37.6	37.8	37.9	38.0	38.2	38.4	38.7
GE 12000		25.0	26.9	30.1	33.6	34.4	36.8	37.5	38.2	38.3	38.4	38.6	38.7	39.0	39.2
GE 10000		29.0	30.9	34.4	38.0	38.8	41.2	42.0	42.8	43.0	43.1	43.2	43.4	43.6	43.9
GE 9000		29.7	31.6	35.2	38.8	39.6	42.2	43.0	43.8	43.9	44.0	44.2	44.3	44.6	44.8
GE 8000		34.8	36.9	41.6	45.4	46.2	49.0	50.2	51.0	51.3	51.4	51.5	51.7	51.9	52.2
GE 7000		36.0	38.2	43.0	46.9	47.7	50.5	51.7	52.5	52.7	52.9	53.0	53.1	53.4	53.7
GE 6000		36.0	38.2	43.0	46.9	47.7	50.5	51.7	52.5	52.7	52.9	53.0	53.1	53.4	53.7
GE 5000		38.8	41.2	46.2	50.3	51.1	54.1	55.4	56.4	56.6	56.8	56.9	57.0	57.3	57.7
GE 4500		40.8	43.4	48.6	52.7	53.5	56.5	57.8	58.8	59.0	59.2	59.3	59.4	59.7	60.1
GE 4000		46.2	49.0	54.5	58.6	59.4	62.5	63.9	64.8	65.2	65.5	65.6	65.7	66.0	66.4
GE 3500		49.8	52.7	58.2	62.4	63.2	66.7	68.0	68.9	69.3	69.6	69.7	69.9	70.1	70.5
GE 3000		53.3	56.5	62.2	66.5	67.3	71.0	72.3	73.6	74.2	74.4	74.6	74.7	75.0	75.4
GE 2500		54.5	57.7	63.5	67.9	68.8	72.6	73.9	75.2	75.8	76.2	76.3	76.4	76.7	77.1
GE 2000		55.7	58.9	64.8	69.3	70.3	74.0	75.4	76.8	77.6	78.0	78.2	78.3	78.6	79.0
GE 1800		56.0	59.3	65.2	69.7	70.7	74.4	75.8	77.2	78.0	78.4	78.6	78.7	79.0	79.4
GE 1500		57.7	61.0	67.2	72.0	73.2	77.0	78.6	80.1	80.9	81.3	81.4	81.5	81.8	82.2
GE 1200		60.1	63.5	70.0	74.8	76.0	79.8	81.5	83.1	83.9	84.3	84.5	84.6	84.9	85.3
GE 1000		60.9	64.4	71.2	76.0	77.2	81.3	83.0	84.6	85.4	86.1	86.3	86.4	86.9	87.3
GE 900		61.4	64.9	71.8	76.6	77.8	81.9	83.7	85.3	86.1	86.7	87.0	87.4	87.7	88.1
GE 800		61.8	65.5	72.6	77.4	78.6	82.7	84.6	86.3	87.1	87.8	88.1	88.5	88.8	89.2
GE 700		63.3	67.2	74.4	79.3	80.6	84.9	86.9	88.8	89.6	90.2	90.5	90.9	91.2	91.6
GE 600		63.5	67.3	74.7	79.5	80.9	85.3	87.7	89.7	90.5	91.2	91.4	91.8	92.1	92.5
GE 500		63.5	67.3	75.0	80.1	81.4	86.2	88.9	91.3	92.4	93.0	93.3	93.7	94.0	94.4
GE 400		63.6	67.6	75.4	80.5	82.1	87.0	90.5	93.2	94.6	95.4	96.1	96.5	96.8	97.2
GE 300		63.6	67.6	75.4	80.7	82.5	87.6	91.0	93.7	95.9	97.1	97.7	98.1	98.4	98.8
GE 200		63.6	67.6	75.4	80.7	82.5	87.6	91.0	93.7	95.9	97.1	97.7	98.3	98.9	99.7
GE 100		63.6	67.6	75.4	80.7	82.5	87.6	91.0	93.7	95.9	97.1	97.7	98.3	99.1	100.0
GE 0		63.6	67.6	75.4	80.7	82.5	87.6	91.0	93.7	95.9	97.1	97.7	98.3	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 747

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		21.1	22.5	24.0	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
GE 20000		29.1	30.7	32.4	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GE 18000		29.4	30.9	32.7	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
GE 16000		29.4	30.9	32.7	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
GE 14000		29.4	30.9	32.7	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
GE 12000		29.6	31.2	33.3	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 10000		33.0	34.5	36.6	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 9000		33.3	34.9	37.0	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 8000		37.4	38.9	41.1	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 7000		38.7	40.2	42.4	43.1	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 6000		38.8	40.3	42.5	43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 5000		40.8	42.4	44.3	45.5	45.5	45.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 4500		45.0	46.8	49.4	50.4	50.4	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 4000		54.6	56.6	59.2	60.2	60.2	60.6	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 3500		60.2	62.2	65.1	66.3	66.3	66.7	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 3000		68.3	70.3	74.2	75.6	75.6	76.1	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 2500		71.2	73.5	77.5	78.9	78.9	79.4	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 2000		75.8	78.1	82.3	83.7	83.7	84.2	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 1800		76.2	78.5	82.7	84.1	84.1	84.6	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1500		79.3	81.7	86.3	87.9	87.9	88.4	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1200		80.8	83.7	88.4	90.3	90.3	90.8	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1000		82.6	85.5	90.3	92.5	92.5	93.0	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 900		83.1	86.0	90.8	93.0	93.1	93.6	94.1	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 800		83.8	86.8	91.6	94.1	94.3	94.8	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 700		84.4	87.5	92.7	95.8	96.1	96.7	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600		84.6	87.8	93.0	96.2	96.6	97.3	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500		84.9	88.2	93.4	96.6	97.1	97.8	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400		84.9	88.2	93.4	96.6	97.1	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		84.9	88.2	93.4	96.6	97.1	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		84.9	88.2	93.4	96.6	97.1	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		84.9	88.2	93.4	96.6	97.1	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 01		84.9	88.2	93.4	96.6	97.1	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 766

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: JUN

HOURS(EST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1		22.3	22.9	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
GE 20000			30.8	31.6	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
GE 18000			31.2	32.0	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
GE 16000			31.2	32.0	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
GE 14000			31.2	32.0	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
GE 12000			31.7	32.5	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
GE 10000			35.2	35.9	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 9000			35.6	36.3	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 8000			40.8	41.5	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 7000			42.5	43.3	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 6000			42.8	43.5	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 5000			46.4	47.3	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 4500			53.6	54.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 4000			65.3	66.2	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 3500			73.8	74.8	76.0	76.1	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 3000			83.2	84.3	86.2	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 2500			85.4	86.6	88.4	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 2000			88.2	89.4	91.5	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1800			88.3	89.6	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1500			90.5	91.8	94.0	94.5	94.5	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1200			91.4	92.8	95.1	95.8	96.0	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1000			92.7	94.0	96.5	97.1	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 900			92.7	94.0	96.5	97.1	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800			92.8	94.2	96.8	97.5	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700			93.2	94.9	97.6	98.8	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600			93.2	94.9	97.6	98.8	99.0	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500			93.2	94.9	97.6	98.9	99.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400			93.2	94.9	97.6	98.9	99.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300			93.2	94.9	97.6	98.9	99.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200			93.2	94.9	97.6	98.9	99.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100			93.2	94.9	97.6	98.9	99.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0			93.2	94.9	97.6	98.9	99.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 804

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		22.0	22.0	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
GE 20000		30.2	30.2	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
GE 18000		30.5	30.5	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
GE 16000		30.5	30.5	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
GE 14000		30.5	30.5	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
GE 12000		32.0	32.0	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 10000		36.1	36.1	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 9000		36.5	36.5	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 8000		42.6	42.6	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 7000		44.3	44.3	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 6000		45.1	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 5000		51.3	51.6	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 4500		58.4	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 4000		69.7	70.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 3500		77.2	78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 3000		85.3	86.3	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2500		87.7	89.0	91.0	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2000		89.4	91.0	93.1	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1800		89.4	91.0	93.1	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1500		89.9	91.7	93.9	94.1	94.1	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200		91.3	93.1	95.6	96.2	96.2	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1000		92.1	93.9	96.7	97.2	97.2	97.4	97.7	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0
GE 900		92.1	93.9	96.9	97.4	97.4	97.7	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2
GE 800		92.1	93.9	96.9	97.4	97.4	97.8	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3
GE 700		92.7	94.9	98.0	98.8	99.0	99.4	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 600		92.7	94.9	98.0	99.0	99.1	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 500		92.7	94.9	98.0	99.0	99.1	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400		92.7	94.9	98.0	99.0	99.1	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300		92.7	94.9	98.0	99.0	99.1	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200		92.7	94.9	98.0	99.0	99.1	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100		92.7	94.9	98.0	99.0	99.1	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 0		92.7	94.9	98.0	99.0	99.1	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 781

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																
	160	90	80	60	40	30	24	20	16	12	10	8	5	4	0		
NO CEIL		26.1	26.4	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	
GE 20000		32.9	33.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	
GE 18000		33.6	34.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	
GE 16000		33.6	34.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	
GE 14000		33.8	34.3	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	
GE 12000		34.3	34.9	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	
GE 10000		37.4	38.0	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	
GE 9000		38.3	38.8	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	
GE 8000		45.1	45.7	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	
GE 7000		47.4	48.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	
GE 6000		47.8	48.6	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	
GE 5000		54.5	55.2	57.4	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	
GE 4500		59.4	60.7	63.0	63.3	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	
GE 4000		70.4	71.9	74.9	75.2	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
GE 3500		76.5	78.1	81.7	82.0	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	
GE 3000		82.8	84.6	88.4	89.0	89.1	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	
GE 2500		83.3	85.5	89.7	90.6	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	
GE 2000		84.3	86.5	91.0	91.9	92.0	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	
GE 1800		84.6	86.8	91.3	92.3	92.5	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	
GE 1500		85.4	87.8	92.5	93.9	94.2	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	
GE 1200		85.8	88.6	93.2	94.8	95.1	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 1000		86.2	89.3	94.2	96.1	96.4	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 900		87.0	90.0	94.9	96.8	97.1	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
GE 800		87.0	90.0	95.1	97.2	97.5	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
GE 700		87.2	90.6	95.9	98.7	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 600		87.2	90.6	95.9	98.7	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 500		87.2	90.6	95.9	98.8	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400		87.2	90.6	95.9	98.8	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300		87.2	90.6	95.9	98.8	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200		87.2	90.6	95.9	98.8	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100		87.2	90.6	95.9	98.8	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0		87.2	90.6	95.9	98.8	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 690

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	32.1	32.9	35.5	36.5	36.5	37.0	37.2	37.2	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 20000	37.4	38.6	41.3	42.7	42.7	43.3	43.7	43.7	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9
GE 18000	37.4	38.6	41.3	42.7	42.7	43.3	43.7	43.7	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9
GE 16000	37.4	38.6	41.3	42.7	42.7	43.3	43.7	43.7	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9
GE 14000	38.2	39.4	42.2	43.5	43.5	44.2	44.5	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7
GE 12000	38.2	39.4	42.2	43.5	43.5	44.2	44.5	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7
GE 10000	40.4	41.6	44.7	46.1	46.1	46.9	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4
GE 9000	41.6	42.8	45.9	47.3	47.3	48.1	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6
GE 8000	46.8	47.8	51.4	52.7	52.7	53.6	53.9	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1
GE 7000	48.1	49.3	52.9	54.6	54.6	55.5	55.8	55.8	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0
GE 6000	48.5	49.7	53.6	55.3	55.3	56.1	56.5	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7
GE 5000	53.2	54.4	58.5	60.2	60.2	61.1	61.4	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6
GE 4500	57.0	58.4	62.8	64.7	64.7	65.5	65.9	65.9	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.2
GE 4000	64.3	66.0	71.0	73.2	73.2	74.1	74.4	74.4	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7
GE 3500	68.6	70.5	75.8	78.2	78.2	79.2	79.5	79.7	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9
GE 3000	73.5	75.6	81.6	84.1	84.3	85.5	85.8	86.0	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2
GE 2500	74.6	76.6	82.9	85.5	85.7	86.9	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5
GE 2000	75.4	77.5	84.1	86.9	87.0	88.2	88.6	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9
GE 1800	75.4	77.5	84.1	86.9	87.0	88.2	88.6	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9
GE 1500	77.5	80.0	86.9	89.8	90.1	91.5	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
GE 1200	79.4	82.1	89.2	92.3	92.7	94.0	94.5	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9
GE 1000	80.0	82.9	90.4	93.7	94.0	95.4	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	80.2	83.1	90.6	93.9	94.2	95.6	96.1	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4
GE 800	80.7	83.6	91.1	94.4	94.7	96.1	96.6	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
GE 700	80.7	83.6	92.0	95.6	95.9	97.4	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	80.7	83.6	92.0	95.6	95.9	97.4	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	81.1	84.3	92.7	96.8	97.3	98.8	99.3	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	81.1	84.3	92.8	96.9	97.4	99.0	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	81.1	84.3	93.0	97.1	97.6	99.1	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	81.1	84.3	93.0	97.1	97.6	99.1	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	81.1	84.3	93.0	97.1	97.6	99.1	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 01	81.1	84.3	93.0	97.1	97.6	99.1	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 586

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS (LST):

ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	I		23.5	24.5	26.4	27.5	27.8	28.5	28.8	29.0	29.2	29.3	29.3	29.4	29.4	29.4	29.5
GE 20000	I		29.6	30.9	33.1	34.4	34.7	35.5	36.0	36.3	36.5	36.6	36.6	36.7	36.8	36.8	36.8
GE 18000	I		29.8	31.1	33.3	34.7	34.9	35.7	36.2	36.5	36.7	36.8	36.9	36.9	37.0	37.0	37.1
GE 16000	I		29.8	31.1	33.3	34.7	34.9	35.7	36.2	36.5	36.7	36.8	36.9	36.9	37.0	37.0	37.1
GE 14000	I		30.0	31.2	33.5	34.8	35.1	35.9	36.4	36.6	36.9	37.0	37.0	37.1	37.2	37.2	37.2
GE 12000	I		30.4	31.7	34.0	35.3	35.6	36.4	36.9	37.2	37.4	37.5	37.6	37.6	37.7	37.7	37.8
GE 10000	I		33.6	34.8	37.3	38.7	39.0	39.8	40.3	40.7	40.9	41.0	41.1	41.1	41.2	41.2	41.3
GE 9000	I		34.2	35.5	38.0	39.4	39.7	40.6	41.1	41.4	41.7	41.8	41.8	41.9	42.0	42.0	42.0
GE 8000	I		39.2	40.6	43.4	44.9	45.2	46.1	46.7	47.0	47.3	47.4	47.4	47.5	47.6	47.6	47.7
GE 7000	I		40.7	42.1	45.0	46.5	46.8	47.7	48.4	48.7	49.0	49.1	49.2	49.2	49.3	49.3	49.4
GE 6000	I		41.0	42.4	45.3	46.8	47.2	48.1	48.7	49.0	49.4	49.4	49.5	49.6	49.6	49.6	49.7
GE 5000	I		45.3	46.8	49.9	51.5	51.8	52.8	53.5	53.9	54.2	54.3	54.4	54.4	54.5	54.5	54.6
GE 4500	I		49.7	51.4	54.7	56.4	56.7	57.8	58.5	58.9	59.2	59.3	59.4	59.4	59.5	59.5	59.6
GE 4000	I		58.3	60.1	64.0	65.7	66.0	67.3	68.0	68.4	68.7	68.9	68.9	69.0	69.1	69.1	69.2
GE 3500	I		63.7	65.7	69.7	71.5	71.9	73.2	74.0	74.3	74.7	74.8	74.9	75.0	75.1	75.1	75.2
GE 3000	I		69.8	72.0	76.4	78.4	78.8	80.2	81.0	81.5	81.9	82.0	82.1	82.2	82.3	82.3	82.4
GE 2500	I		71.3	73.5	78.2	80.3	80.7	82.1	82.9	83.4	83.8	84.0	84.1	84.1	84.2	84.2	84.3
GE 2000	I		73.2	75.6	80.4	82.5	83.0	84.5	85.3	85.8	86.3	86.5	86.5	86.6	86.7	86.7	86.8
GE 1800	I		73.4	75.8	80.7	82.8	83.2	84.7	85.6	86.0	86.6	86.7	86.8	86.8	86.9	87.0	87.1
GE 1500	I		75.2	77.7	82.8	85.1	85.6	87.2	88.1	88.6	89.1	89.3	89.4	89.4	89.5	89.5	89.7
GE 1200	I		76.6	79.4	84.6	87.1	87.6	89.2	90.3	90.8	91.3	91.5	91.5	91.6	91.7	91.7	91.8
GE 1000	I		77.6	80.5	86.0	88.5	89.1	90.7	91.8	92.3	92.9	93.1	93.2	93.3	93.4	93.4	93.5
GE 900	I		77.9	80.8	86.5	89.0	89.6	91.3	92.4	92.9	93.5	93.7	93.8	93.9	94.0	94.0	94.2
GE 800	I		78.3	81.2	86.9	89.6	90.2	92.0	93.1	93.7	94.3	94.5	94.6	94.7	94.8	94.8	94.9
GE 700	I		78.9	82.1	88.1	91.1	91.8	93.6	94.8	95.4	96.0	96.2	96.3	96.4	96.5	96.5	96.6
GE 600	I		79.0	82.2	88.2	91.2	91.9	93.8	95.1	95.7	96.3	96.6	96.7	96.8	96.8	96.9	97.0
GE 500	I		79.2	82.5	88.5	91.8	92.6	94.6	95.9	96.7	97.4	97.6	97.7	97.8	97.9	98.0	98.1
GE 400	I		79.2	82.6	88.8	92.1	92.9	94.9	96.4	97.3	98.0	98.2	98.4	98.5	98.6	98.7	98.8
GE 300	I		79.3	82.6	88.9	92.3	93.2	95.2	96.7	97.5	98.4	98.7	98.9	99.0	99.1	99.2	99.4
GE 200	I		79.3	82.6	88.9	92.3	93.2	95.2	96.8	97.6	98.5	98.8	99.0	99.2	99.4	99.5	99.8
GE 100	I		79.3	82.6	88.9	92.3	93.2	95.2	96.8	97.6	98.5	98.8	99.0	99.2	99.4	99.5	100.0
GE 0	I		79.3	82.6	88.9	92.3	93.2	95.3	96.8	97.7	98.5	98.8	99.0	99.2	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 5580

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 76-87
MONTH: JUL HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	41.9	44.5	48.0	49.9	50.3	51.0	51.7	51.7	52.0	52.0	52.2	52.2	52.3	52.3	53.0	
GE 20000	45.4	48.3	52.3	54.6	55.1	55.8	56.5	56.5	57.0	57.0	57.2	57.4	57.6	57.6	58.3	
GE 18000	45.4	48.3	52.3	54.6	55.1	55.8	56.5	56.5	57.0	57.0	57.2	57.4	57.6	57.6	58.3	
GE 16000	45.4	48.3	52.3	54.6	55.1	55.8	56.5	56.5	57.0	57.0	57.2	57.4	57.6	57.6	58.3	
GE 14000	45.4	48.3	52.3	54.6	55.1	55.8	56.5	56.5	57.0	57.0	57.2	57.4	57.6	57.6	58.3	
GE 12000	45.4	48.3	52.3	54.6	55.1	55.8	56.5	56.5	57.0	57.0	57.2	57.4	57.6	57.6	58.3	
GE 10000	47.0	49.9	53.9	56.2	56.7	57.4	58.3	58.3	58.8	58.8	59.0	59.1	59.3	59.3	60.0	
GE 9000	47.7	50.6	54.6	57.0	57.6	58.3	59.3	59.3	59.8	59.8	60.0	60.2	60.3	60.3	61.0	
GE 8000	51.5	54.4	58.8	61.0	61.6	62.3	63.3	63.3	63.8	63.8	64.0	64.2	64.3	64.3	65.0	
GE 7000	51.8	54.8	59.1	61.4	61.9	62.6	63.8	63.8	64.3	64.3	64.5	64.7	64.9	64.9	65.6	
GE 6000	52.0	55.0	59.5	61.7	62.3	63.0	64.2	64.2	64.7	64.7	64.9	65.0	65.2	65.2	65.9	
GE 5000	55.3	59.1	63.8	66.3	67.0	67.8	69.0	69.0	69.6	69.6	69.7	69.9	70.1	70.1	70.8	
GE 4500	57.9	61.7	66.4	68.9	69.6	70.4	71.7	71.7	72.2	72.2	72.3	72.5	72.7	72.7	73.4	
GE 4000	63.0	67.0	71.7	74.1	74.8	75.8	77.4	77.4	77.9	77.9	78.1	78.4	78.6	78.6	79.3	
GE 3500	65.7	69.9	74.6	77.0	77.7	78.8	80.3	80.3	80.9	80.9	81.0	81.4	81.6	81.6	82.3	
GE 3000	68.7	72.9	77.9	80.9	81.6	82.6	84.2	84.2	84.7	84.7	84.9	85.2	85.4	85.4	86.1	
GE 2500	70.3	74.4	79.5	82.4	83.1	84.2	85.7	85.7	86.3	86.3	86.4	86.8	87.0	87.0	87.7	
GE 2000	72.3	76.5	81.6	84.5	85.2	86.4	88.0	88.0	88.5	88.5	88.7	89.0	89.2	89.2	89.9	
GE 1800	72.3	76.5	81.6	84.5	85.2	86.4	88.0	88.0	88.5	88.5	88.7	89.0	89.2	89.2	89.9	
GE 1500	73.0	77.4	82.4	85.4	86.1	87.3	88.9	88.9	89.4	89.4	89.6	89.9	90.1	90.1	90.8	
GE 1200	74.8	79.3	84.3	87.3	88.0	89.2	90.8	90.8	91.3	91.3	91.5	91.8	92.0	92.0	92.7	
GE 1000	75.5	80.0	85.4	88.7	89.4	90.6	92.2	92.2	92.7	92.7	92.9	92.9	93.2	93.4	94.1	
GE 900	75.7	80.2	85.6	88.9	89.6	90.8	92.3	92.3	92.9	92.9	93.0	93.4	93.6	93.6	94.3	
GE 800	75.8	80.3	85.9	89.2	89.9	91.1	92.7	92.7	93.2	93.2	93.4	93.7	93.9	93.9	94.6	
GE 700	76.3	80.9	86.4	89.9	90.6	92.0	93.6	93.6	94.3	94.3	94.4	94.8	95.0	95.0	95.7	
GE 600	76.7	81.2	87.0	90.8	91.5	92.9	94.4	94.4	95.1	95.1	95.3	95.7	95.8	95.8	96.5	
GE 500	76.9	81.7	87.5	91.7	92.3	93.7	95.3	95.3	96.0	96.0	96.2	96.5	96.7	96.7	97.4	
GE 400	76.9	81.7	87.5	91.7	92.3	93.7	95.3	95.3	96.0	96.0	96.2	96.5	96.7	96.7	97.4	
GE 300	76.9	81.7	87.5	91.7	92.3	93.7	95.3	95.3	96.0	96.0	96.2	96.5	96.7	96.7	97.4	
GE 200	76.9	81.7	87.5	91.7	92.3	93.7	95.3	95.3	96.0	96.0	96.2	96.5	96.7	96.7	97.4	
GE 100	76.9	81.7	87.5	91.7	92.3	93.7	95.3	95.3	96.0	96.0	96.2	96.5	96.7	96.7	97.4	
GE 01	76.9	81.7	87.5	91.7	92.3	93.7	95.3	95.3	96.0	96.0	96.2	96.5	96.7	96.7	97.4	

TOTAL NUMBER OF OBSERVATIONS: 575

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		24.5	26.7	30.1	32.6	33.8	35.3	36.1	36.6	37.4	37.5	37.6	37.8	38.6	38.8	39.4
GE 20000		27.6	30.0	34.1	36.8	38.0	39.8	40.7	41.2	42.0	42.3	42.5	42.7	43.5	43.8	44.4
GE 18000		27.6	30.0	34.1	36.8	38.0	39.8	40.7	41.2	42.0	42.3	42.5	42.7	43.5	43.8	44.4
GE 16000		27.6	30.0	34.1	36.8	38.0	39.8	40.7	41.2	42.0	42.3	42.5	42.7	43.5	43.8	44.4
GE 14000		27.6	30.0	34.1	36.8	38.0	39.8	40.7	41.3	42.2	42.5	42.8	42.9	43.8	44.0	44.7
GE 12000		27.6	30.0	34.1	36.8	38.0	39.8	40.7	41.3	42.2	42.5	42.8	42.9	43.8	44.0	44.7
GE 10000		30.0	32.6	37.6	40.3	41.5	43.3	44.2	44.9	45.8	46.2	46.4	46.5	47.6	47.9	48.7
GE 9000		30.5	33.1	38.1	40.9	42.2	43.9	44.8	45.5	46.4	46.8	47.1	47.2	48.2	48.6	49.3
GE 8000		33.1	36.1	41.5	44.3	45.5	47.3	48.2	48.9	49.8	50.2	50.4	50.6	51.6	51.9	52.7
GE 7000		33.2	36.3	42.0	44.8	46.2	47.9	48.9	49.7	50.6	50.9	51.2	51.3	52.3	52.7	53.5
GE 6000		33.6	36.6	42.5	45.3	46.7	48.4	49.4	50.2	51.1	51.4	51.7	51.8	52.8	53.2	54.0
GE 5000		37.0	40.3	46.5	49.9	51.4	53.3	54.3	55.1	56.0	56.5	56.7	56.8	57.8	58.2	59.0
GE 4500		39.9	43.3	49.8	53.5	55.1	57.0	58.1	59.0	59.8	60.4	60.6	60.7	61.7	62.1	62.9
GE 4000		45.2	49.1	56.1	59.8	61.5	63.4	64.5	65.4	66.2	66.9	67.1	67.3	68.3	68.6	69.4
GE 3500		48.1	52.1	59.5	63.2	64.9	66.9	68.0	68.9	69.8	70.4	70.6	70.8	71.8	72.1	72.9
GE 3000		49.7	54.2	62.0	66.1	67.8	70.0	71.1	72.0	73.0	73.7	73.9	74.0	75.2	75.5	76.3
GE 2500		51.4	56.1	64.0	68.1	69.8	72.0	73.1	74.0	75.0	75.7	75.9	76.0	77.2	77.5	78.3
GE 2000		54.2	58.8	67.1	71.3	72.9	75.3	76.5	77.4	78.4	79.0	79.3	79.4	80.6	80.9	81.7
GE 1800		54.7	59.3	67.6	71.8	73.4	75.8	77.0	77.9	78.9	79.5	79.8	79.9	81.1	81.4	82.2
GE 1500		55.8	60.5	68.9	73.0	74.7	77.2	78.4	79.3	80.4	81.1	81.3	81.4	82.6	82.9	83.7
GE 1200		57.3	62.1	70.9	75.2	76.8	79.3	80.6	81.4	82.6	83.2	83.4	83.6	84.8	85.2	85.9
GE 1000		58.3	63.1	72.3	76.7	78.4	80.9	82.2	83.1	84.2	84.8	85.1	85.2	86.6	87.0	87.8
GE 900		58.6	63.5	72.9	77.3	79.0	81.6	82.8	83.7	84.8	85.4	85.7	85.8	87.2	87.6	88.5
GE 800		58.7	63.7	73.4	77.9	79.7	82.4	83.7	84.6	85.7	86.3	86.6	86.7	88.1	88.5	89.3
GE 700		59.3	64.5	74.7	79.3	81.1	83.8	85.1	85.9	87.1	87.7	88.0	88.1	89.5	89.8	90.7
GE 600		59.7	64.9	75.3	79.9	81.8	84.7	85.9	86.8	88.1	88.7	89.0	89.1	90.5	90.8	92.0
GE 500		59.8	65.0	75.4	80.2	82.1	85.1	86.3	87.2	88.6	89.2	89.5	89.6	91.0	91.3	92.5
GE 400		60.0	65.1	75.7	80.6	82.4	85.6	86.8	87.7	89.2	89.8	90.1	90.2	91.6	92.0	93.1
GE 300		60.0	65.1	75.9	80.8	82.7	85.9	87.3	88.2	90.2	91.1	91.5	91.6	93.1	93.5	95.2
GE 200		60.0	65.1	75.9	80.9	82.8	86.4	87.8	88.7	91.1	92.1	92.6	93.0	94.9	95.2	97.5
GE 100		60.0	65.1	75.9	80.9	82.8	86.4	87.8	88.7	91.1	92.1	92.6	93.0	94.9	95.7	100.0
GE 0		60.0	65.1	75.9	80.9	82.8	86.4	87.8	88.7	91.1	92.1	92.6	93.0	94.9	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	23.6	25.6	27.9	29.6	30.3	31.2	31.6	31.9	32.4	32.4	32.4	32.4	32.4	32.7	32.7	32.7
GE 20000	26.4	28.6	31.6	33.3	34.0	35.6	35.9	36.4	37.2	37.4	37.4	37.4	37.4	37.8	37.9	37.9
GE 18000	26.5	28.8	31.7	33.5	34.2	35.7	36.0	36.5	37.3	37.6	37.6	37.6	37.6	37.9	38.0	38.0
GE 16000	26.5	28.8	31.7	33.6	34.3	35.8	36.2	36.6	37.4	37.7	37.7	37.7	37.7	38.0	38.1	38.1
GE 14000	26.5	28.8	31.7	33.6	34.3	35.8	36.2	36.6	37.4	37.7	37.7	37.7	37.7	38.0	38.1	38.1
GE 12000	27.1	29.5	32.4	34.3	35.0	36.5	36.9	37.4	38.5	38.7	38.7	38.7	38.7	39.1	39.2	39.2
GE 10000	30.5	33.1	36.2	38.1	38.8	40.5	41.0	41.7	42.7	43.0	43.0	43.0	43.0	43.3	43.5	43.5
GE 9000	31.6	34.3	37.3	39.3	40.0	41.7	42.1	42.8	43.9	44.1	44.1	44.1	44.1	44.5	44.7	44.7
GE 8000	35.9	38.6	41.8	44.0	44.8	46.6	47.1	47.8	48.8	49.1	49.1	49.1	49.1	49.4	49.6	49.6
GE 7000	36.5	39.2	42.4	44.0	45.7	47.4	47.9	48.6	49.6	49.9	49.9	49.9	49.9	50.2	50.5	50.5
GE 6000	36.7	39.4	42.6	45.2	46.1	47.9	48.4	49.1	50.1	50.4	50.4	50.4	50.4	50.7	50.9	50.9
GE 5000	40.5	43.2	47.1	49.6	50.6	52.3	52.8	53.6	54.8	55.0	55.0	55.0	55.0	55.4	55.6	55.6
GE 4500	44.0	46.7	50.6	53.2	54.1	55.9	56.3	57.2	58.3	58.6	58.6	58.6	58.6	58.9	59.2	59.2
GE 4000	50.0	53.1	57.5	60.3	61.3	63.1	63.6	64.4	65.6	65.8	65.8	66.0	66.0	66.3	66.5	66.5
GE 3500	51.3	54.6	59.2	62.1	63.1	65.0	65.5	66.4	67.7	68.2	68.2	68.3	68.3	68.7	69.0	69.0
GE 3000	54.1	57.6	62.8	66.1	67.1	69.1	69.7	70.7	71.9	72.4	72.4	72.4	72.7	73.0	73.4	73.4
GE 2500	56.5	60.4	65.6	68.9	70.0	71.9	72.5	73.5	74.8	75.4	75.4	75.4	75.6	75.9	76.3	76.3
GE 2000	59.0	63.0	68.3	71.6	72.7	74.6	75.5	76.4	77.7	78.3	78.3	78.3	78.5	78.9	79.2	79.2
GE 1800	59.7	63.7	69.0	72.3	73.5	75.5	76.3	77.2	78.5	79.1	79.1	79.1	79.3	79.7	80.0	80.0
GE 1500	61.5	65.6	71.0	74.3	75.6	77.6	78.4	79.5	80.8	81.3	81.3	81.3	81.6	81.9	82.3	82.3
GE 1200	63.6	67.8	73.2	76.5	77.8	79.8	80.6	81.7	83.1	83.7	83.7	83.7	83.9	84.3	84.6	84.6
GE 1000	65.0	69.4	74.8	78.4	80.0	82.0	82.9	83.9	85.3	85.9	85.9	85.9	86.2	86.5	86.9	86.9
GE 900	65.4	69.7	75.5	79.1	80.8	82.7	83.7	84.7	86.2	86.7	86.7	86.7	87.0	87.3	87.7	87.7
GE 800	66.4	70.8	76.8	80.4	82.0	84.2	85.1	86.2	87.6	88.1	88.1	88.1	88.4	88.7	89.1	89.1
GE 700	66.8	71.5	77.8	81.8	83.6	85.8	86.9	87.9	89.3	89.9	89.9	89.9	90.1	90.5	90.8	90.8
GE 600	67.1	71.8	78.2	82.2	83.9	86.3	87.4	88.5	89.9	90.5	90.5	90.5	90.7	91.1	91.4	91.7
GE 500	67.4	72.2	78.6	82.6	84.4	86.7	88.0	89.3	90.7	91.3	91.3	91.3	91.5	91.9	92.3	92.5
GE 400	67.4	72.3	79.0	83.1	85.1	87.8	89.1	90.4	92.0	92.6	92.6	92.6	92.8	93.3	93.7	94.0
GE 300	67.4	72.3	79.0	83.1	85.1	88.0	89.3	90.7	92.7	93.3	93.3	93.3	93.8	94.4	95.1	96.2
GE 200	67.4	72.3	79.0	83.1	85.1	88.0	89.3	90.8	93.0	93.5	93.5	93.5	94.2	95.1	96.2	98.5
GE 100	67.4	72.3	79.0	83.1	85.1	88.0	89.3	90.8	93.0	93.5	93.5	93.5	94.2	95.1	96.5	100.0
GE 0	67.4	72.3	79.0	83.1	85.1	88.0	89.3	90.8	93.0	93.5	93.5	93.5	94.2	95.1	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 852

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		26.0	26.9	28.1	28.8	28.8	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
GE 20000		30.9	31.9	33.1	34.0	34.0	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
GE 18000		31.0	32.0	33.3	34.2	34.2	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
GE 16000		31.0	32.0	33.3	34.2	34.2	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
GE 14000		31.2	32.3	33.5	34.4	34.4	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 12000		32.1	33.1	34.4	35.3	35.3	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 10000		35.4	36.4	37.7	39.0	39.1	39.5	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 9000		35.9	37.0	38.3	39.5	39.6	40.1	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 8000		40.1	41.2	42.7	44.3	44.5	45.0	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 7000		41.0	42.2	43.7	45.4	45.5	46.0	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 6000		41.5	42.8	44.2	45.9	46.0	46.6	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 5000		44.9	46.2	47.7	49.5	49.6	50.4	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 4500		47.1	48.5	49.9	51.7	51.8	52.6	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 4000		54.4	55.9	57.3	59.6	59.8	60.6	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 3500		60.5	62.0	63.6	65.8	66.1	66.9	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 3000		68.0	69.7	71.3	73.8	74.0	74.9	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 2500		72.0	73.8	75.6	78.2	78.4	79.3	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 2000		76.1	78.1	80.0	82.6	82.9	83.8	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 1800		76.6	78.5	80.4	83.1	83.3	84.2	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1500		79.7	81.6	84.0	86.7	86.9	87.8	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1200		82.5	84.7	87.3	90.3	90.5	91.5	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1000		83.5	85.8	88.8	91.8	92.0	93.1	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 900		83.7	85.9	89.0	92.0	92.3	93.4	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 800		84.3	86.6	89.9	93.2	93.4	94.6	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 700		84.8	87.1	90.6	93.8	94.2	95.6	96.3	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 600		84.9	87.2	90.7	94.0	94.4	95.9	96.5	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 500		84.9	87.2	91.2	94.4	94.8	96.3	97.1	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 400		84.9	87.2	91.2	94.4	94.8	96.3	97.2	97.3	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 300		84.9	87.2	91.2	94.4	94.8	96.5	97.8	97.9	98.8	98.9	99.0	99.3	99.3	99.3	99.3
GE 200		84.9	87.2	91.2	94.4	94.8	96.5	97.8	97.9	98.8	98.9	99.0	99.3	99.8	99.9	99.9
GE 100		84.9	87.2	91.2	94.4	94.8	96.5	97.8	97.9	98.8	98.9	99.0	99.3	99.8	99.9	100.0
GE 0		84.9	87.2	91.2	94.4	94.8	96.5	97.8	97.9	98.8	98.9	99.0	99.3	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS (LST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL			25.7	26.6	27.9	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
GE 20000			32.2	33.2	35.0	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 18000			32.4	33.4	35.2	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 16000			32.4	33.4	35.2	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 14000			32.7	33.7	35.6	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 12000			34.0	35.0	36.9	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 10000			36.8	37.7	39.8	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 9000			37.1	38.1	40.1	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 8000			41.5	42.5	44.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 7000			42.6	43.6	45.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 6000			42.6	43.6	45.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 5000			47.0	48.0	50.2	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 4500			50.1	51.0	53.2	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 4000			61.5	62.5	64.7	66.1	66.2	66.3	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 3500			69.7	70.9	73.1	74.6	74.7	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 3000			77.9	79.2	81.6	83.2	83.4	83.6	83.6	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2500			82.7	84.0	86.4	88.0	88.2	88.4	88.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 2000			86.2	87.6	90.2	92.0	92.3	92.5	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1800			86.4	87.8	90.4	92.3	92.5	92.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1500			87.9	89.4	92.4	94.2	94.4	94.8	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1200			88.5	90.2	93.3	95.3	95.5	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1000			89.5	91.2	94.4	96.4	96.6	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 900			89.5	91.2	94.4	96.4	96.6	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 800			89.6	91.4	94.9	96.8	97.1	97.7	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 700			89.7	91.5	95.0	97.2	97.5	98.1	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600			89.7	91.5	95.1	97.4	97.8	98.5	98.5	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500			89.7	91.5	95.2	97.6	98.0	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400			89.7	91.5	95.2	97.6	98.0	98.8	98.8	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 300			89.7	91.5	95.2	97.6	98.0	99.0	99.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200			89.7	91.5	95.2	97.6	98.0	99.0	99.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100			89.7	91.5	95.2	97.6	98.0	99.2	99.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0			89.7	91.5	95.2	97.6	98.0	99.0	99.0	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1500-1700

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		27.8	28.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 20000		36.0	37.2	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 18000		36.7	37.9	39.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 16000		36.8	38.0	39.5	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 14000		37.2	38.5	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 12000		37.8	39.0	40.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 10000		42.4	43.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 9000		43.2	44.4	46.4	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 8000		51.5	52.7	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 7000		52.5	53.7	55.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 6000		52.7	53.9	55.9	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 5000		57.8	59.1	61.1	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 4500		64.5	65.8	67.9	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 4000		74.6	75.9	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 3500		80.4	81.8	84.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 3000		84.6	86.3	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 2500		87.0	88.8	91.1	91.9	91.9	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
GE 2000		88.9	90.8	93.3	94.1	94.1	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
GE 1800		89.3	91.3	93.7	94.5	94.5	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 1500		90.8	92.7	95.4	96.3	96.3	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200		91.4	93.4	96.1	97.0	97.0	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000		91.7	93.9	97.0	97.9	97.9	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 900		91.7	93.9	97.0	97.9	97.9	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 800		91.7	93.9	97.4	98.3	98.3	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 700		91.7	94.2	97.6	98.5	98.5	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 600		91.7	94.3	97.9	98.8	98.8	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 500		91.7	94.3	97.9	98.8	98.8	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 400		91.7	94.3	97.9	98.8	98.8	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7
GE 300		91.7	94.3	97.9	98.9	98.9	99.3	99.6	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9
GE 200		91.7	94.3	97.9	98.9	98.9	99.3	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 100		91.7	94.3	97.9	98.9	98.9	99.3	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 0		91.7	94.3	97.9	98.9	98.9	99.3	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		35.1	36.8	37.8	38.5	38.5	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	
GE 20000		42.5	44.1	45.9	46.6	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	
GE 18000		43.0	44.6	46.5	47.1	47.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	
GE 16000		43.0	44.6	46.5	47.1	47.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	
GE 14000		43.2	44.9	46.7	47.4	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
GE 12000		44.9	46.6	48.4	49.0	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	
GE 10000		50.6	52.4	54.3	55.1	55.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	
GE 9000		52.4	54.2	56.1	57.0	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	
GE 8000		59.4	61.4	64.0	65.0	65.0	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	
GE 7000		60.8	62.8	65.4	66.5	66.5	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 6000		61.2	63.2	65.8	66.8	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	
GE 5000		65.4	67.7	70.5	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	
GE 4500		69.4	71.9	74.6	75.7	75.7	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	
GE 4000		77.5	80.1	82.8	84.0	84.1	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	
GE 3500		80.5	83.4	86.1	87.2	87.4	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	
GE 3000		83.4	86.6	89.4	90.8	91.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	
GE 2500		84.8	88.1	91.0	92.4	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	
GE 2000		87.0	90.5	93.3	94.7	94.8	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	
GE 1800		87.5	91.0	93.8	95.2	95.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	
GE 1500		87.7	91.4	94.2	95.6	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 1200		87.9	91.6	94.6	96.1	96.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 1000		87.9	91.6	94.7	96.3	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
GE 900		88.4	92.1	95.4	96.9	97.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
GE 800		88.5	92.3	95.6	97.5	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 700		88.5	92.5	95.9	97.8	97.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 600		88.5	92.5	95.9	97.9	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 500		88.6	92.6	96.1	98.2	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 400		88.6	92.6	96.1	98.2	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 300		88.6	92.6	96.1	98.2	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 200		88.6	92.6	96.1	98.2	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0	
GE 100		88.6	92.6	96.1	98.2	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0	
GE 0		88.6	92.6	96.1	98.2	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0	
TOTAL NUMBER OF OBSERVATIONS:		775														

TOTAL NUMBER OF OBSERVATIONS: 775

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		40.3	41.0	43.4	45.3	45.3	45.9	46.1	46.1	46.2	46.2	46.2	46.2	46.4	46.4	46.4
GE 20000		44.9	46.8	49.6	51.7	51.9	52.6	52.7	52.7	52.9	52.9	52.9	52.9	53.0	53.0	53.0
GE 18000		44.9	46.8	49.6	51.7	51.9	52.6	52.7	52.7	52.9	52.9	52.9	52.9	53.0	53.0	53.0
GE 16000		44.9	46.8	49.6	51.7	51.9	52.6	52.7	52.7	52.9	52.9	52.9	52.9	53.0	53.0	53.0
GE 14000		44.9	46.8	49.6	51.7	51.9	52.6	52.7	52.7	52.9	52.9	52.9	52.9	53.0	53.0	53.0
GE 12000		45.6	47.6	50.4	52.4	52.6	53.3	53.5	53.5	53.6	53.6	53.6	53.6	53.8	53.8	53.8
GE 10000		49.8	52.0	54.8	57.0	57.2	57.9	58.1	58.1	58.2	58.2	58.2	58.2	58.4	58.4	58.4
GE 9000		50.4	52.6	55.4	57.6	57.8	58.5	58.7	58.7	58.8	58.8	58.8	58.8	59.0	59.0	59.0
GE 8000		55.6	57.8	60.7	63.0	63.1	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.6	64.6	64.6
GE 7000		56.6	59.0	61.9	64.1	64.3	65.3	65.5	65.5	65.6	65.6	65.6	65.6	65.8	65.8	65.8
GE 6000		57.5	59.9	62.8	65.0	65.2	66.2	66.4	66.4	66.5	66.5	66.5	66.5	66.7	66.7	66.7
GE 5000		60.6	63.4	66.4	68.7	68.9	69.9	70.1	70.1	70.2	70.2	70.2	70.2	70.4	70.4	70.4
GE 4500		64.6	67.4	70.4	72.7	72.9	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.4	74.4	74.4
GE 4000		71.1	74.7	77.8	80.1	80.3	81.6	81.8	81.8	81.9	81.9	81.9	81.9	82.1	82.1	82.1
GE 3500		73.8	77.5	80.7	83.1	83.3	84.6	84.9	84.9	85.2	85.3	85.3	85.3	85.5	85.5	85.5
GE 3000		77.5	81.5	84.9	87.3	87.4	88.7	89.0	89.2	89.5	89.6	89.6	89.6	89.8	89.8	89.8
GE 2500		78.5	82.7	86.2	88.6	88.7	90.1	90.4	90.5	90.8	91.0	91.0	91.0	91.1	91.1	91.1
GE 2000		80.6	84.9	88.4	90.8	91.0	92.3	92.7	92.9	93.2	93.3	93.3	93.3	93.5	93.5	93.5
GE 1800		80.7	85.0	88.6	91.0	91.1	92.4	92.9	93.0	93.3	93.5	93.5	93.5	93.6	93.6	93.6
GE 1500		80.9	85.2	88.9	91.3	91.4	92.7	93.3	93.5	93.8	93.9	93.9	93.9	94.1	94.1	94.1
GE 1200		81.3	85.9	89.9	92.4	92.6	93.9	94.5	94.8	95.1	95.3	95.3	95.3	95.4	95.4	95.4
GE 1000		81.6	86.2	90.5	93.2	93.3	94.7	95.3	95.6	95.9	96.1	96.1	96.1	96.3	96.3	96.3
GE 900		82.2	86.8	91.3	93.9	94.1	95.4	96.0	96.3	96.6	96.9	96.9	96.9	97.0	97.0	97.0
GE 800		82.2	87.1	91.6	94.4	94.5	95.9	96.4	96.7	97.0	97.5	97.5	97.5	97.6	97.6	97.6
GE 700		82.2	87.3	91.9	94.7	94.8	96.4	97.0	97.3	97.6	98.1	98.1	98.1	98.2	98.2	98.2
GE 600		82.4	87.4	92.1	95.0	95.1	96.7	97.3	97.6	97.9	98.4	98.4	98.4	98.5	98.5	98.5
GE 500		82.7	87.7	92.7	95.7	95.9	97.5	98.1	98.4	98.7	99.1	99.1	99.1	99.3	99.3	99.3
GE 400		82.7	87.9	92.9	95.9	96.0	97.8	98.4	98.7	99.0	99.4	99.4	99.4	99.6	99.6	99.6
GE 300		82.7	87.9	92.9	95.9	96.0	97.8	98.4	98.7	99.0	99.4	99.4	99.4	99.6	99.6	99.6
GE 200		82.7	87.9	92.9	95.9	96.0	97.8	98.4	98.8	99.1	99.6	99.6	99.6	99.7	99.7	99.7
GE 100		82.7	87.9	92.9	95.9	96.0	97.8	98.4	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0
GE 01		82.7	87.9	92.9	95.9	96.0	97.8	98.4	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 675

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	BY	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		29.8	31.2	33.2	34.3	34.6	35.1	35.3	35.4	35.6	35.7	35.7	35.7	35.9	35.9	36.1	
GE 20000		35.0	36.7	39.1	40.4	40.8	41.4	41.7	41.8	42.1	42.1	42.2	42.2	42.4	42.5	42.6	
GE 18000		35.2	36.9	39.4	40.7	41.0	41.6	41.9	42.0	42.3	42.4	42.4	42.4	42.6	42.7	42.8	
GE 16000		35.2	36.9	39.4	40.7	41.0	41.7	41.9	42.0	42.3	42.4	42.4	42.4	42.5	42.7	42.8	
GE 14000		35.4	37.1	39.5	40.9	41.2	41.8	42.1	42.2	42.5	42.6	42.6	42.6	42.7	42.9	43.1	
GE 12000		36.1	37.9	40.3	41.6	42.0	42.6	42.9	43.0	43.4	43.4	43.5	43.5	43.7	43.7	43.9	
GE 10000		39.6	41.5	44.2	45.7	46.0	46.7	47.0	47.2	47.5	47.6	47.7	47.7	47.9	48.0	48.1	
GE 9000		40.4	42.3	45.0	46.6	46.9	47.6	47.9	48.1	48.4	48.5	48.6	48.6	48.8	48.9	49.0	
GE 8000		45.5	47.4	50.3	52.0	52.4	53.2	53.5	53.7	54.0	54.1	54.1	54.1	54.3	54.4	54.6	
GE 7000		46.3	48.3	51.2	53.0	53.3	54.1	54.5	54.6	55.0	55.1	55.1	55.1	55.3	55.4	55.6	
GE 6000		46.6	48.6	51.6	53.4	53.7	54.5	54.9	55.1	55.4	55.5	55.5	55.5	55.7	55.8	56.0	
GE 5000		50.5	52.7	55.9	57.8	58.2	59.1	59.4	59.6	60.0	60.1	60.1	60.1	60.4	60.4	60.6	
GE 4500		54.2	56.4	59.6	61.6	62.1	62.9	63.3	63.5	63.8	63.9	64.0	64.0	64.2	64.3	64.4	
GE 4000		61.9	64.3	67.7	69.8	70.3	71.2	71.6	71.8	72.3	72.4	72.4	72.4	72.7	72.8	72.9	
GE 3500		66.1	68.8	72.3	74.4	74.9	75.8	76.3	76.5	77.0	77.1	77.2	77.2	77.4	77.5	77.7	
GE 3000		70.5	73.4	77.1	79.5	80.0	81.1	81.5	81.8	82.2	82.4	82.4	82.5	82.7	82.8	83.0	
GE 2500		73.1	76.1	79.9	82.2	82.7	83.8	84.3	84.5	85.0	85.2	85.2	85.3	85.5	85.6	85.8	
GE 2000		75.8	78.9	82.8	85.2	85.7	86.8	87.3	87.6	88.0	88.2	88.3	88.4	88.6	88.7	88.8	
GE 1800		76.2	79.3	83.2	85.6	86.1	87.2	87.8	88.0	88.5	88.6	88.7	88.8	89.0	89.1	89.2	
GE 1500		77.5	80.7	84.8	87.2	87.7	88.9	89.4	89.7	90.2	90.4	90.4	90.5	90.7	90.8	91.0	
GE 1200		78.8	82.1	86.4	88.9	89.4	90.6	91.2	91.5	91.9	92.1	92.2	92.3	92.5	92.6	92.7	
GE 1000		79.5	82.9	87.4	90.0	90.6	91.8	92.4	92.7	93.2	93.4	93.4	93.5	93.8	93.9	94.0	
GE 900		79.8	83.2	87.8	90.4	91.0	92.2	92.8	93.1	93.6	93.8	93.9	93.9	94.2	94.3	94.4	
GE 800		80.1	83.5	88.4	91.1	91.7	93.1	93.6	93.9	94.4	94.7	94.7	94.8	95.0	95.1	95.3	
GE 700		80.3	83.9	88.9	91.8	92.4	93.9	94.5	94.8	95.3	95.6	95.6	95.7	95.9	96.0	96.2	
GE 600		80.5	84.1	89.2	92.1	92.8	94.3	94.9	95.2	95.8	96.0	96.1	96.1	96.4	96.5	96.7	
GE 500		80.6	84.3	89.5	92.5	93.2	94.7	95.4	95.7	96.3	96.5	96.6	96.6	96.9	97.0	97.2	
GE 400		80.6	84.3	89.6	92.6	93.3	95.0	95.7	96.0	96.7	97.0	97.0	97.1	97.4	97.5	97.8	
GE 300		80.6	84.3	89.6	92.6	93.4	95.1	95.9	96.3	97.1	97.4	97.5	97.7	98.0	98.2	98.6	
GE 200		80.6	84.3	89.6	92.7	93.4	95.2	96.0	96.4	97.3	97.6	97.8	97.9	98.4	98.7	99.4	
GE 100		80.6	84.3	89.6	92.7	93.4	95.2	96.0	96.4	97.3	97.6	97.8	98.0	98.5	98.8	100.0	
GE 0		80.6	84.3	89.6	92.7	93.4	95.2	96.0	96.4	97.3	97.6	97.8	98.0	98.5	98.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 6376

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		39.0	40.2	43.9	45.1	46.1	47.1	48.4	48.4	48.7	48.7	48.7	48.7	48.7	49.1	49.1
GE 20000		41.0	42.5	46.6	48.1	49.1	50.3	51.6	51.6	51.9	51.9	51.9	51.9	52.1	52.3	52.3
GE 18000		41.0	42.5	46.6	48.1	49.1	50.3	51.6	51.6	51.9	51.9	51.9	51.9	52.1	52.3	52.3
GE 16000		41.0	42.5	46.6	48.1	49.1	50.3	51.6	51.6	51.9	51.9	51.9	51.9	52.1	52.3	52.3
GE 14000		41.0	42.5	46.6	48.1	49.1	50.3	51.6	51.6	51.9	51.9	51.9	51.9	52.1	52.3	52.3
GE 12000		41.7	43.2	47.4	48.9	49.9	51.1	52.4	52.4	52.8	52.8	52.8	52.8	52.9	53.1	53.1
GE 10000		43.6	45.1	49.6	51.8	52.9	54.3	55.6	55.6	55.9	55.9	55.9	55.9	56.1	56.3	56.3
GE 9000		43.7	45.2	49.9	52.3	53.4	54.8	56.1	56.1	56.4	56.4	56.4	56.4	56.6	56.8	56.8
GE 8000		46.4	48.1	53.1	55.4	56.6	58.0	59.3	59.3	60.0	60.0	60.0	60.0	60.1	60.3	60.3
GE 7000		47.1	48.7	53.8	56.1	57.3	58.6	60.0	60.0	60.6	60.6	60.6	60.6	60.8	61.0	61.0
GE 6000		47.4	49.1	54.1	56.4	57.6	59.0	60.3	60.3	61.0	61.0	61.0	61.0	61.1	61.3	61.3
GE 5000		49.4	51.4	56.4	59.1	60.5	62.0	63.3	63.3	64.0	64.0	64.0	64.0	64.2	64.3	64.3
GE 4500		53.1	55.4	61.1	64.2	65.5	67.0	68.3	68.3	69.0	69.0	69.0	69.0	69.2	69.3	69.3
GE 4000		57.6	60.0	66.7	70.0	71.4	72.9	74.4	74.4	75.0	75.0	75.0	75.0	75.2	75.4	75.4
GE 3500		60.8	63.5	70.7	74.0	75.4	77.1	78.6	78.6	79.2	79.2	79.2	79.2	79.4	79.6	79.6
GE 3000		63.5	66.2	73.4	77.1	78.4	80.1	81.6	81.6	82.2	82.2	82.2	82.2	82.4	82.6	82.6
GE 2500		66.0	68.8	76.4	80.1	81.4	83.1	84.6	84.6	85.4	85.4	85.4	85.4	85.6	85.8	85.8
GE 2000		68.7	71.7	79.6	83.2	84.6	86.3	87.8	87.9	88.6	88.6	88.6	88.6	88.8	88.9	88.9
GE 1800		68.8	71.9	79.7	83.4	84.8	86.4	87.9	88.1	88.8	88.8	88.8	88.8	88.9	89.1	89.1
GE 1500		70.7	73.7	82.1	86.1	87.6	89.3	90.8	91.0	91.6	91.6	91.6	91.6	91.8	92.0	92.0
GE 1200		71.0	74.2	82.9	87.6	89.3	91.0	92.5	92.6	93.3	93.3	93.3	93.3	93.5	93.6	93.6
GE 1000		71.5	74.7	83.4	88.4	90.1	91.8	93.3	93.5	94.1	94.1	94.1	94.1	94.3	94.5	94.5
GE 900		72.2	75.4	84.1	89.1	90.8	92.5	94.0	94.1	94.8	94.8	94.8	94.8	95.0	95.1	95.1
GE 800		72.4	75.7	84.6	89.6	91.3	93.0	94.5	94.6	95.3	95.3	95.3	95.3	95.5	95.6	95.6
GE 700		72.5	76.0	84.9	89.9	91.6	93.3	95.0	95.1	95.8	95.8	95.8	95.8	96.0	96.1	96.1
GE 600		72.7	76.2	86.1	91.1	92.8	94.5	96.1	96.3	97.2	97.2	97.2	97.2	97.3	97.5	97.5
GE 500		72.7	76.5	86.6	92.1	93.8	95.5	97.3	97.5	98.3	98.3	98.3	98.3	98.5	98.7	98.7
GE 400		72.7	76.5	86.6	92.5	94.1	95.8	97.7	97.8	98.7	98.7	98.7	98.7	98.8	99.0	99.0
GE 300		72.7	76.5	86.6	92.6	94.3	96.0	97.8	98.0	98.8	98.8	98.8	98.8	99.2	99.3	99.5
GE 200		72.7	76.5	86.6	92.6	94.3	96.0	97.8	98.0	98.8	98.8	98.8	98.8	99.5	99.7	100.0
GE 100		72.7	76.5	86.6	92.6	94.3	96.0	97.8	98.0	98.8	98.8	98.8	98.8	99.5	99.7	100.0
GE 0		72.7	76.5	86.6	92.6	94.3	96.0	97.8	98.0	98.8	98.8	99.0	99.3	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 597

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS (LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL]	27.5	29.9	33.2	34.6	35.3	36.4	37.7	38.1	38.8	38.9	39.1	39.3	39.3	39.4	39.4	39.8
GE 20000]	31.6	34.1	37.5	39.3	40.2	41.5	42.8	43.5	44.1	44.2	44.4	44.7	44.9	45.1	45.4	45.4
GE 18000]	31.7	34.2	37.7	39.4	40.4	41.6	43.0	43.6	44.2	44.3	44.6	44.8	45.1	45.2	45.6	45.6
GE 16000]	31.7	34.2	37.7	39.4	40.4	41.6	43.0	43.6	44.2	44.3	44.6	44.8	45.1	45.2	45.6	45.6
GE 14000]	31.9	34.3	37.8	39.5	40.5	41.7	43.1	43.7	44.4	44.6	44.8	45.1	45.3	45.4	45.8	45.8
GE 12000]	32.8	35.3	38.8	42.5	41.5	42.7	44.1	44.8	45.6	45.7	45.9	46.2	46.4	46.5	46.9	46.9
GE 10000]	34.6	37.3	41.1	43.1	44.1	45.4	46.8	47.5	48.5	48.6	48.9	49.1	49.4	49.5	49.9	49.9
GE 9000]	35.4	38.1	42.0	44.1	45.2	46.5	47.9	48.8	49.8	49.9	50.1	50.4	50.6	50.7	51.1	51.1
GE 8000]	39.9	43.0	47.7	49.9	51.0	52.5	53.8	54.8	56.3	56.4	56.7	56.9	57.3	57.4	57.8	57.8
GE 7000]	40.9	44.0	48.6	50.9	52.0	53.5	54.8	55.8	57.3	57.4	57.7	57.9	58.3	58.4	58.8	58.8
GE 6000]	41.2	44.3	49.0	51.2	52.3	53.8	55.2	56.2	57.7	57.8	58.0	58.3	58.6	58.8	59.1	59.1
GE 5000]	44.3	47.8	52.8	55.1	56.2	57.7	59.1	60.1	61.9	62.0	62.2	62.5	63.0	63.1	63.5	63.5
GE 4500]	47.4	51.0	56.4	58.8	59.9	61.5	63.0	64.0	65.7	65.8	66.0	66.3	66.8	66.9	67.3	67.3
GE 4000]	52.0	55.8	61.7	64.4	65.6	67.3	68.8	70.0	71.9	72.0	72.2	72.5	73.0	73.1	73.5	73.5
GE 3500]	53.6	57.4	63.6	66.4	67.5	69.4	71.0	72.2	74.1	74.2	74.4	74.7	75.2	75.3	75.7	75.7
GE 3000]	55.7	59.6	65.8	68.9	70.2	72.1	73.8	75.2	77.0	77.2	77.4	77.7	78.1	78.3	78.6	78.6
GE 2500]	58.3	62.2	68.6	71.7	73.1	74.9	76.7	78.0	79.9	80.0	80.2	80.5	81.0	81.1	81.5	81.5
GE 2000]	61.2	65.8	72.3	75.4	76.9	78.9	80.6	82.0	83.8	84.0	84.2	84.4	84.9	85.1	85.4	85.4
GE 1800]	61.2	65.8	72.3	75.4	76.9	78.9	80.6	82.0	83.8	84.0	84.2	84.4	84.9	85.1	85.4	85.4
GE 1500]	62.7	67.3	73.8	77.4	78.9	80.9	82.6	84.0	85.8	85.9	86.2	86.4	86.9	87.0	87.4	87.4
GE 1200]	63.5	68.3	75.1	78.6	80.1	82.2	84.0	85.6	87.4	87.5	87.8	88.0	88.5	88.6	89.0	89.0
GE 1000]	64.2	69.0	76.4	80.1	81.6	83.7	85.4	87.0	88.9	89.0	89.3	89.5	90.0	90.1	90.5	90.5
GE 900]	64.7	69.5	76.9	80.6	82.1	84.3	86.2	87.8	89.6	89.6	90.0	90.2	90.7	90.7	91.2	91.2
GE 800]	64.7	69.5	76.9	80.6	82.1	84.3	86.2	87.8	89.6	90.0	90.1	90.4	90.6	91.1	91.2	91.6
GE 700]	64.8	69.9	77.4	81.4	82.8	85.1	87.2	88.8	90.7	90.7	91.1	91.4	91.9	92.0	92.3	92.3
GE 600]	64.8	69.9	77.8	81.7	83.2	85.6	87.7	89.5	91.5	91.6	91.9	92.1	92.6	92.7	93.3	93.3
GE 500]	65.1	70.4	78.9	83.1	84.8	87.2	89.3	91.1	93.1	93.2	93.5	93.8	94.3	94.4	95.1	95.1
GE 400]	65.1	70.4	78.9	83.2	84.9	87.8	89.9	91.7	93.7	93.9	94.1	94.4	95.1	95.2	95.9	95.9
GE 300]	65.1	70.4	78.9	83.3	85.1	87.9	90.1	92.0	94.1	94.2	94.9	95.3	95.9	96.0	97.3	97.3
GE 200]	65.1	70.4	78.9	83.3	85.1	87.9	90.2	92.1	94.4	94.7	95.7	96.0	96.9	97.2	98.9	98.9
GE 100]	65.1	70.4	78.9	83.3	85.1	87.9	90.2	92.1	94.4	94.7	95.7	96.2	97.2	97.7	100.0	100.0
GE 0]	65.1	70.4	78.9	83.3	85.1	87.9	90.2	92.1	94.4	94.7	95.7	96.2	97.2	97.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		23.6	25.3	27.1	28.6	29.3	30.6	31.6	32.4	32.9	33.1	33.2	33.2	33.3	33.7	34.1
GE 20000		27.5	29.2	31.6	33.4	34.1	35.8	36.9	37.8	38.5	38.8	38.9	38.9	39.0	39.3	39.8
GE 18000		27.9	29.6	32.1	33.9	34.6	36.2	37.4	38.3	39.0	39.2	39.3	39.3	39.4	39.8	40.4
GE 16000		27.9	29.6	32.1	33.9	34.6	36.2	37.4	38.3	39.0	39.2	39.3	39.3	39.4	39.8	40.4
GE 14000		28.0	29.8	32.2	34.0	34.7	36.3	37.5	38.4	39.1	39.3	39.4	39.4	39.6	39.9	40.5
GE 12000		29.0	30.9	33.3	35.2	35.9	37.5	38.6	39.6	40.3	40.5	40.6	40.6	40.7	41.1	41.6
GE 10000		31.3	33.1	36.6	38.5	39.3	41.1	42.2	43.1	44.2	44.4	44.5	44.6	44.8	45.1	45.7
GE 9000		32.1	34.0	37.6	39.6	40.4	42.1	43.3	44.3	45.6	45.8	45.9	46.0	46.1	46.5	47.1
GE 8000		37.3	39.6	43.6	46.0	46.8	48.9	50.3	51.4	52.9	53.2	53.3	53.4	53.5	53.9	54.4
GE 7000		37.7	40.1	44.2	46.6	47.4	49.5	50.9	52.0	53.6	53.9	54.0	54.1	54.2	54.6	55.1
GE 6000		37.8	40.3	44.3	46.8	47.6	49.8	51.2	52.4	54.0	54.2	54.3	54.4	54.6	54.9	55.5
GE 5000		40.6	43.0	47.9	50.5	51.3	53.6	55.0	56.3	57.9	58.1	58.2	58.4	58.6	58.9	59.5
GE 4500		44.4	46.9	52.0	54.8	55.6	57.9	59.3	60.6	62.2	62.4	62.5	62.6	62.9	63.2	63.8
GE 4000		48.1	51.2	56.6	59.9	60.7	63.1	64.5	66.0	67.7	67.9	68.1	68.2	68.4	68.7	69.3
GE 3500		50.9	54.0	60.0	63.4	64.2	66.6	68.2	69.7	71.5	71.7	71.9	72.0	72.2	72.5	73.1
GE 3000		54.0	57.4	63.6	67.4	68.3	70.8	72.2	73.7	75.5	75.8	75.9	76.0	76.2	76.8	77.4
GE 2500		56.1	59.6	65.9	69.7	70.6	73.1	74.5	76.0	77.9	78.1	78.2	78.3	78.5	79.1	79.7
GE 2000		58.2	62.1	68.9	72.8	73.8	76.4	77.7	79.2	81.1	81.3	81.4	81.5	81.8	82.4	82.9
GE 1800		58.4	62.2	69.0	72.9	73.9	76.5	77.9	79.4	81.2	81.4	81.5	81.7	81.9	82.5	83.0
GE 1500		60.0	64.0	71.2	75.8	76.8	79.7	81.1	82.6	84.4	84.7	84.8	84.9	85.1	85.7	86.3
GE 1200		61.9	66.0	73.4	78.2	79.4	82.5	84.0	85.5	87.3	87.5	87.7	87.8	88.0	88.6	89.2
GE 1000		62.1	66.3	74.0	78.9	80.2	83.4	84.9	86.4	88.2	88.5	88.6	88.7	88.9	89.5	90.1
GE 900		62.3	66.6	74.4	79.8	81.2	84.4	85.9	87.4	89.3	89.5	89.6	89.7	90.0	90.5	91.1
GE 800		62.3	66.6	74.4	79.8	81.2	84.4	85.9	87.4	89.3	89.5	89.6	89.7	90.0	90.5	91.1
GE 700		62.4	67.2	75.5	81.4	82.8	86.5	88.1	89.9	91.7	91.9	92.0	92.2	92.4	93.0	93.5
GE 600		62.9	67.5	75.8	81.8	83.2	86.9	88.6	90.3	92.2	92.4	92.5	92.6	92.8	93.4	94.0
GE 500		63.2	67.8	76.4	82.7	84.1	87.8	89.5	91.5	93.3	93.5	93.9	94.0	94.2	94.8	95.4
GE 400		63.3	67.9	76.4	83.2	84.6	88.5	90.3	92.3	94.1	94.3	94.7	94.8	95.0	95.6	96.3
GE 300		63.3	67.9	76.8	83.4	85.0	88.7	90.8	92.8	94.9	95.4	95.8	96.0	96.5	97.1	98.2
GE 200		63.3	67.9	76.8	83.4	85.0	88.7	90.8	92.8	94.9	95.4	95.8	96.3	96.5	97.1	98.2
GE 100		63.3	67.9	76.8	83.4	85.0	88.7	90.8	92.8	94.9	95.4	95.8	96.3	96.5	97.2	100.0
GE 0		63.3	67.9	76.8	83.4	85.0	88.7	90.8	92.8	94.9	95.4	95.8	96.3	96.5	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 867

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 76-87

MONTH: AUG HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		26.4	27.3	28.7	29.3	30.0	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.5
GE 20000		33.0	33.8	35.9	36.9	37.7	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.7
GE 18000		33.0	33.8	35.9	36.9	37.7	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.7
GE 16000		33.0	33.8	35.9	36.9	37.7	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.7
GE 14000		33.0	33.8	35.9	37.0	37.8	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.8
GE 12000		33.6	34.9	37.0	38.1	38.9	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.9
GE 10000		37.5	38.9	41.2	42.3	43.1	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.1
GE 9000		37.7	39.1	41.4	42.5	43.3	44.1	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.6
GE 8000		42.4	44.0	46.3	47.4	48.2	49.3	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9
GE 7000		42.7	44.3	46.7	47.8	48.7	49.8	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3
GE 6000		43.2	44.7	47.1	48.5	49.3	50.4	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0
GE 5000		47.3	48.9	51.4	52.9	53.7	54.8	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4
GE 4500		49.6	51.2	53.7	55.2	56.0	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8
GE 4000		55.9	57.7	60.5	62.0	62.9	64.3	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1
GE 3500		61.6	63.4	66.3	67.7	68.6	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.8
GE 3000		70.7	72.7	75.9	77.4	78.2	79.8	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
GE 2500		73.7	75.4	79.0	80.4	81.3	82.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6
GE 2000		76.2	78.5	82.0	83.4	84.3	85.8	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6
GE 1800		76.8	79.1	82.6	84.1	84.9	86.6	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4
GE 1500		79.6	81.9	85.7	87.3	88.1	89.8	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.7
GE 1200		80.7	83.2	87.3	89.1	90.0	91.6	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5
GE 1000		81.3	83.8	88.4	90.3	91.3	93.2	93.7	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.3
GE 900		81.5	84.1	89.0	91.0	92.1	94.1	94.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.3
GE 800		81.9	84.4	89.5	91.4	92.5	94.5	95.2	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.8
GE 700		82.2	84.7	90.0	92.3	93.5	95.6	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.1
GE 600		82.3	84.8	90.3	92.6	93.8	96.2	97.0	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.8
GE 500		82.3	84.8	90.8	93.2	94.4	96.7	97.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 400		82.3	84.9	91.0	93.4	94.6	96.9	98.1	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.7
GE 300		82.3	84.9	91.0	93.4	94.6	96.9	98.1	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 200		82.3	84.9	91.0	93.4	94.6	96.9	98.1	98.9	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 100		82.3	84.9	91.0	93.4	94.6	96.9	98.1	98.9	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 0		82.3	84.9	91.0	93.4	94.6	96.9	98.1	98.9	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	23.0	24.4	25.4	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
GE 20000	30.8	32.5	34.1	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 18000	31.0	32.8	34.4	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 16000	31.1	32.9	34.5	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 14000	31.4	33.2	34.8	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 12000	32.5	34.3	35.9	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 10000	34.9	37.0	38.6	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 9000	35.5	37.5	39.1	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 8000	40.0	42.4	44.2	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 7000	41.1	43.4	45.3	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 6000	41.2	43.5	45.4	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 5000	46.8	49.1	51.3	52.0	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 4500	50.8	53.1	55.4	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 4000	60.1	62.6	64.8	65.7	65.7	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 3500	70.1	72.9	75.4	76.2	76.2	76.3	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 3000	81.2	84.1	86.8	87.7	87.7	88.0	88.2	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 2500	83.1	86.0	88.7	89.7	89.7	89.9	90.1	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 2000	85.2	88.1	91.4	92.5	92.5	92.8	93.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1800	85.3	88.2	91.5	92.6	92.6	92.9	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1500	87.0	89.9	93.7	94.8	94.8	95.3	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1200	88.4	91.4	95.2	96.5	96.6	97.1	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000	88.7	91.7	95.5	96.8	97.1	97.6	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	88.7	91.8	95.6	96.9	97.2	97.7	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	88.7	91.9	95.7	97.0	97.4	98.1	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	88.7	91.9	95.8	97.1	97.5	98.2	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	88.7	91.9	95.8	97.5	98.0	98.6	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	88.8	92.2	96.0	97.7	98.2	98.8	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	88.8	92.2	96.0	97.7	98.2	98.9	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.8	92.2	96.0	97.7	98.2	98.9	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.8	92.2	96.0	97.7	98.2	98.9	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.8	92.2	96.0	97.7	98.2	98.9	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	88.8	92.2	96.0	97.7	98.2	98.9	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS/ST: 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		27.5	28.6	29.7	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
GE 20000		33.7	34.9	36.2	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 18000		33.9	35.1	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 16000		33.9	35.1	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 14000		34.0	35.2	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 12000		35.4	36.6	37.9	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 10000		39.7	40.9	42.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 9000		40.1	41.3	42.9	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 8000		44.9	46.4	48.0	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 7000		45.9	47.4	49.0	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 6000		46.0	47.5	49.1	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 5000		50.6	52.3	54.1	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 4500		57.0	58.6	60.9	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 4000		69.5	71.3	73.8	74.7	75.0	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 3500		78.6	80.7	83.6	84.5	84.9	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 3000		83.3	85.6	88.8	89.7	90.1	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 2500		85.3	87.6	90.8	91.7	92.0	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2000		86.9	89.3	92.7	93.8	94.1	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1800		87.1	89.5	93.1	94.3	94.6	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1500		88.4	90.8	94.7	96.1	96.5	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200		89.2	91.6	95.6	97.0	97.5	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000		89.2	91.6	95.7	97.1	97.7	98.3	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900		89.2	91.6	95.8	97.2	97.8	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800		89.2	91.8	96.1	97.6	98.2	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700		89.2	91.8	96.2	97.7	98.3	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600		89.3	91.9	96.5	97.9	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500		89.3	91.9	96.5	98.0	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		89.3	91.9	96.5	98.0	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		89.3	91.9	96.5	98.0	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		89.3	91.9	96.5	98.0	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		89.3	91.9	96.5	98.0	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		89.3	91.9	96.5	98.0	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 905

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	28.2	30.3	32.5	32.8	32.9	33.2	33.2	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4
GE 20000	35.8	38.2	41.4	41.7	41.9	42.1	42.1	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 18000	36.3	38.7	41.9	42.2	42.4	42.6	42.6	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 16000	36.3	38.7	41.9	42.2	42.4	42.6	42.6	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 14000	36.3	38.7	41.9	42.2	42.4	42.6	42.6	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 12000	38.2	40.7	43.9	44.3	44.4	44.6	44.6	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 10000	41.1	43.6	47.0	47.5	47.7	47.9	47.9	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 9000	41.7	44.3	47.7	48.2	48.3	48.5	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 8000	47.8	50.6	54.2	55.0	55.1	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 7000	48.4	51.3	55.1	55.9	56.0	56.2	56.2	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 6000	49.7	52.6	56.4	57.1	57.3	57.5	57.5	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 5000	54.2	57.4	61.3	62.3	62.4	62.9	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 4500	60.2	63.4	67.5	68.6	68.7	69.2	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 4000	69.9	73.1	77.9	79.3	79.4	80.1	80.2	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 3500	74.9	78.6	83.6	85.2	85.4	86.0	86.1	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 3000	78.7	83.1	88.8	90.8	90.9	91.6	91.8	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 2500	79.3	83.9	89.5	91.7	91.8	92.4	92.7	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2000	80.7	85.2	91.0	93.2	93.3	93.9	94.2	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	80.8	85.5	91.3	93.4	93.6	94.2	94.5	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1500	81.1	85.8	92.1	94.6	94.7	95.3	95.6	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	81.6	86.4	92.8	95.3	95.5	96.1	96.3	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	82.2	87.1	93.6	96.1	96.2	96.8	97.1	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	82.2	87.3	93.7	96.2	96.3	97.0	97.2	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	82.2	87.8	94.2	96.7	97.1	97.7	98.0	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	82.5	88.0	94.5	97.1	97.5	98.1	98.4	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	82.5	88.0	94.5	97.1	97.5	98.1	98.4	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	82.5	88.0	94.6	97.2	97.6	98.4	98.6	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	82.5	88.0	94.6	97.4	97.7	98.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	82.5	88.0	94.6	97.4	97.7	98.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	82.5	88.0	94.6	97.4	97.7	98.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.5	88.0	94.6	97.4	97.7	98.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	82.5	88.0	94.6	97.4	97.7	98.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(1ST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		38.0	38.6	43.7	44.7	45.1	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	
GE 20000		43.1	44.6	50.1	51.2	51.7	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	
GE 18000		43.3	44.7	50.2	51.4	51.8	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	
GE 16000		43.3	44.7	50.2	51.4	51.8	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	
GE 14000		43.3	44.7	50.2	51.4	51.8	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	
GE 12000		43.8	45.3	50.8	52.0	52.4	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	
GE 10000		46.0	47.5	53.1	54.6	55.0	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	
GE 9000		46.3	47.8	53.4	54.9	55.3	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	
GE 8000		49.5	50.9	56.8	58.2	58.6	59.2	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	
GE 7000		50.4	51.8	57.5	59.1	59.5	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
GE 6000		51.1	52.5	58.2	59.8	60.2	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	
GE 5000		55.0	56.6	62.8	64.7	65.2	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	
GE 4500		59.2	61.0	67.3	69.2	69.7	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	
GE 4000		67.6	69.8	76.9	78.8	79.2	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	
GE 3500		71.0	73.4	81.0	83.3	83.7	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
GE 3000		74.0	76.8	84.6	86.9	87.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	
GE 2500		75.0	77.9	85.8	88.1	88.5	89.6	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	
GE 2000		76.1	79.5	88.0	90.4	90.9	92.0	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	
GE 1800		76.3	79.8	88.2	90.7	91.1	92.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	
GE 1500		77.1	80.6	89.3	91.9	92.3	93.5	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	
GE 1200		77.5	81.0	90.0	93.0	93.5	94.6	95.1	95.1	95.4	95.4	95.4	95.4	95.5	95.5	95.5	
GE 1000		78.4	82.3	91.3	94.3	94.8	95.9	96.4	96.4	97.1	97.1	97.1	97.1	97.2	97.2	97.2	
GE 900		78.5	82.4	91.4	94.5	95.1	96.2	96.7	96.7	97.4	97.4	97.4	97.4	97.5	97.5	97.5	
GE 800		78.7	83.0	92.5	95.5	96.2	97.4	97.8	97.8	98.5	98.5	98.5	98.5	98.7	98.7	98.7	
GE 700		79.0	83.3	92.7	95.8	96.5	97.7	98.1	98.1	98.8	98.8	98.8	98.8	99.0	99.0	99.0	
GE 600		79.0	83.5	93.0	96.1	96.8	98.0	98.4	98.4	99.1	99.1	99.1	99.1	99.3	99.3	99.3	
GE 500		79.0	83.5	93.5	96.7	97.4	98.5	99.0	99.0	99.7	99.7	99.7	99.7	99.9	99.9	99.9	
GE 400		79.0	83.5	93.6	96.8	97.5	98.7	99.1	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	
GE 300		79.0	83.5	93.6	96.8	97.5	98.7	99.1	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	
GE 200		79.0	83.5	93.6	96.8	97.5	98.7	99.1	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	
GE 100		79.0	83.5	93.6	96.8	97.5	98.7	99.1	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	
GE 0		79.0	83.5	93.6	96.8	97.5	98.7	99.1	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 689

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): ALL

CEILING IN FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	28.5	29.9	32.2	33.0	33.4	34.0	34.4	34.6	34.8	34.9	34.9	34.9	34.9	34.9	35.0	35.1
GE 20000	34.0	35.7	38.5	39.5	40.0	40.7	41.2	41.4	41.6	41.6	41.6	41.7	41.7	41.8	41.9	42.0
GE 18000	34.2	35.9	38.7	39.7	40.2	40.9	41.4	41.6	41.6	41.8	41.9	41.9	41.9	42.0	42.1	42.2
GE 16000	34.2	35.9	38.7	39.8	40.2	40.9	41.4	41.6	41.6	41.8	41.9	41.9	42.0	42.0	42.1	42.2
GE 14000	34.3	36.0	38.8	39.9	40.3	41.0	41.5	41.7	42.0	42.0	42.1	42.1	42.1	42.1	42.2	42.4
GE 12000	35.4	37.1	40.0	41.0	41.5	42.2	42.7	42.9	43.1	43.2	43.2	43.3	43.3	43.3	43.4	43.5
GE 10000	38.1	40.0	43.1	44.3	44.8	45.5	46.0	46.3	46.6	46.6	46.7	46.7	46.7	46.8	46.9	47.0
GE 9000	38.6	40.5	43.7	44.9	45.5	46.2	46.7	47.0	47.3	47.4	47.4	47.4	47.5	47.5	47.6	47.7
GE 8000	43.2	45.3	48.7	50.1	50.7	51.5	52.1	52.4	52.9	52.9	52.9	53.0	53.1	53.1	53.1	53.3
GE 7000	43.9	46.1	49.5	50.9	51.5	52.3	52.9	53.2	53.7	53.7	53.7	53.8	53.8	53.9	54.0	54.1
GE 6000	44.3	46.5	49.9	51.4	52.0	52.8	53.4	53.7	54.2	54.2	54.3	54.3	54.3	54.4	54.5	54.6
GE 5000	48.3	50.6	54.4	56.0	56.6	57.5	58.1	58.5	59.0	59.0	59.1	59.1	59.2	59.2	59.3	59.4
GE 4500	52.5	54.9	58.9	60.6	61.2	62.2	62.8	63.1	63.6	63.6	63.7	63.7	63.8	63.8	63.9	64.1
GE 4000	60.0	62.6	67.1	68.9	69.5	70.6	71.3	71.7	72.3	72.3	72.4	72.4	72.4	72.5	72.6	72.7
GE 3500	65.3	68.1	72.9	74.9	75.5	76.7	77.3	77.8	78.4	78.4	78.4	78.5	78.6	78.6	78.7	78.8
GE 3000	70.5	73.6	78.6	80.8	81.4	82.7	83.4	83.8	84.4	84.5	84.6	84.6	84.6	84.7	84.8	85.0
GE 2500	72.5	75.6	80.8	83.0	83.6	84.8	85.5	86.0	86.7	86.7	86.8	86.8	86.8	86.9	87.0	87.2
GE 2000	74.5	77.9	83.4	85.7	86.3	87.6	88.3	88.8	89.5	89.5	89.6	89.6	89.7	89.7	89.8	90.0
GE 1800	74.8	78.1	83.6	85.9	86.6	87.9	88.6	89.1	89.7	89.7	89.8	89.8	89.9	90.0	90.1	90.2
GE 1500	76.2	79.6	85.5	88.1	88.8	90.1	90.9	91.4	92.0	92.1	92.1	92.2	92.2	92.3	92.4	92.5
GE 1200	77.2	80.7	86.7	89.5	90.3	91.7	92.5	93.0	93.6	93.7	93.7	93.8	93.9	94.0	94.0	94.2
GE 1000	77.7	81.3	87.5	90.4	91.2	92.7	93.4	94.0	94.7	94.8	94.8	94.9	95.0	95.1	95.2	95.2
GE 900	77.9	81.5	87.8	90.8	91.6	93.1	93.9	94.5	95.2	95.3	95.3	95.4	95.5	95.6	95.8	95.8
GE 800	77.9	81.7	88.2	91.2	92.1	93.7	94.5	95.1	95.9	95.9	96.0	96.0	96.2	96.3	96.4	96.4
GE 700	78.1	82.0	88.6	91.7	92.6	94.2	95.2	95.7	96.5	96.6	96.6	96.7	96.8	96.9	97.0	97.0
GE 600	78.2	82.1	88.9	92.0	93.0	94.7	95.6	96.2	97.0	97.1	97.2	97.2	97.3	97.4	97.6	97.6
GE 500	78.3	82.3	89.3	92.6	93.6	95.3	96.3	97.0	97.8	97.8	97.9	98.0	98.1	98.2	98.4	98.4
GE 400	78.3	82.3	89.4	92.8	93.8	95.6	96.7	97.3	98.2	98.3	98.3	98.4	98.5	98.7	98.9	98.9
GE 300	78.3	82.3	89.4	92.8	93.9	95.6	96.8	97.5	98.4	98.5	98.6	98.7	98.9	99.0	99.3	99.3
GE 200	78.3	82.3	89.4	92.8	93.9	95.6	96.8	97.5	98.5	98.6	98.8	98.9	99.2	99.3	99.8	99.8
GE 100	78.3	82.3	89.4	92.8	93.9	95.6	96.8	97.5	98.5	98.6	98.8	99.0	99.2	99.4	100.0	100.0
GE 0	78.3	82.3	89.4	92.8	93.9	95.6	96.8	97.5	98.5	98.6	98.8	99.0	99.2	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 6501

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		37.5	39.0	42.1	43.5	44.4	45.5	46.4	47.4	47.7	47.9	47.9	48.1	48.3	48.3	48.3
GE 20000		42.1	43.5	47.0	49.4	50.3	51.4	52.3	53.2	53.6	53.7	53.7	53.9	54.1	54.1	54.1
GE 18000		42.1	43.5	47.0	49.4	50.3	51.4	52.3	53.2	53.6	53.7	53.7	53.9	54.1	54.1	54.1
GE 16000		42.1	43.5	47.0	49.4	50.3	51.4	52.3	53.2	53.6	53.7	53.7	53.9	54.1	54.1	54.1
GE 14000		42.3	43.7	47.2	49.5	50.5	51.5	52.5	53.4	53.7	53.9	53.9	54.1	54.3	54.3	54.3
GE 12000		43.2	45.0	48.5	50.8	51.7	52.8	53.7	54.6	55.0	55.2	55.2	55.4	55.6	55.6	55.6
GE 10000		45.2	47.7	51.7	54.1	55.0	56.1	57.0	57.9	58.3	58.5	58.5	58.7	58.8	58.8	58.8
GE 9000		45.7	48.3	52.3	54.6	55.6	56.6	57.6	58.5	58.8	59.0	59.0	59.2	59.4	59.4	59.4
GE 8000		49.0	51.7	55.7	58.1	59.0	60.1	61.0	61.9	62.3	62.5	62.5	62.7	62.8	62.8	62.8
GE 7000		49.4	52.1	56.1	58.5	59.4	60.5	61.4	62.3	62.7	62.8	62.8	63.0	63.2	63.2	63.2
GE 6000		49.4	52.1	56.1	58.5	59.4	60.5	61.4	62.3	62.7	62.8	62.8	63.0	63.2	63.2	63.2
GE 5000		52.8	55.9	59.9	62.5	63.4	65.0	65.9	66.8	67.2	67.4	67.4	67.6	67.8	67.8	67.8
GE 4500		55.6	58.8	63.0	65.6	66.7	68.3	69.2	70.1	70.5	70.7	70.7	70.9	71.0	71.0	71.0
GE 4000		61.6	65.0	69.8	72.5	74.0	75.6	76.5	77.4	77.8	78.0	78.0	78.1	78.3	78.3	78.3
GE 3500		64.3	67.8	72.5	75.2	76.9	78.5	79.4	80.3	80.7	80.9	80.9	81.1	81.2	81.2	81.2
GE 3000		67.6	71.4	76.1	78.9	80.5	82.1	83.1	84.0	84.3	84.5	84.5	84.7	84.9	84.9	84.9
GE 2500		69.6	73.4	78.1	81.2	82.9	84.9	85.8	86.7	87.1	87.2	87.2	87.4	87.6	87.6	87.6
GE 2000		69.8	74.0	78.7	82.1	84.0	86.5	87.4	88.3	88.7	88.9	88.9	89.1	89.3	89.3	89.3
GE 1800		69.8	74.0	78.7	82.1	84.0	86.5	87.4	88.3	88.7	88.9	88.9	89.1	89.3	89.3	89.3
GE 1500		70.9	75.0	79.8	83.4	85.2	87.8	88.7	89.6	90.0	90.2	90.2	90.3	90.5	90.5	90.5
GE 1200		72.7	77.0	81.8	85.4	87.2	90.2	91.3	92.2	92.5	92.7	92.7	92.9	93.1	93.1	93.1
GE 1000		73.8	78.1	83.2	87.1	88.9	91.8	92.9	93.8	94.2	94.4	94.4	94.5	94.7	94.7	94.7
GE 900		74.0	78.3	83.4	87.2	89.1	92.0	93.1	94.0	94.4	94.5	94.5	94.7	94.9	94.9	94.9
GE 800		74.5	78.9	84.0	87.8	89.6	92.5	94.0	95.1	95.4	95.6	95.6	95.8	96.0	96.0	96.0
GE 700		74.7	79.1	84.3	88.3	90.2	93.1	94.5	95.6	96.4	96.5	96.5	96.7	96.9	96.9	96.9
GE 600		75.0	79.4	84.7	88.7	90.7	93.6	95.3	96.4	97.1	97.3	97.3	97.4	97.6	97.6	97.6
GE 500		75.0	79.4	85.2	89.3	91.3	94.2	96.0	97.3	98.0	98.2	98.2	98.4	98.5	98.5	98.5
GE 400		75.0	79.6	85.6	89.6	91.6	94.5	96.4	97.6	98.5	98.7	98.7	98.9	99.1	99.1	99.1
GE 300		75.0	79.6	85.6	89.6	91.6	94.5	96.4	97.6	98.7	98.9	98.9	99.3	99.5	99.5	99.6
GE 200		75.0	79.6	85.6	89.6	91.6	94.5	96.4	97.6	98.7	98.9	98.9	99.5	99.8	99.8	100.0
GE 100		75.0	79.6	85.6	89.6	91.6	94.5	96.4	97.6	98.7	98.9	98.9	99.5	99.8	99.8	100.0
GE 0		75.0	79.6	85.6	89.6	91.6	94.5	96.4	97.6	98.7	98.9	98.9	99.5	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 549

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS (LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		34.0	35.0	36.9	37.8	38.8	40.8	42.6	42.7	44.0	44.5	44.6	45.1	45.3	45.4	45.6
GE 20000		37.8	39.5	41.9	43.1	44.1	46.2	47.9	48.1	49.5	50.1	50.3	50.8	50.9	51.0	51.3
GE 18000		37.8	39.5	41.9	43.1	44.1	46.2	47.9	48.1	49.5	50.1	50.3	50.8	50.9	51.0	51.3
GE 16000		37.8	39.5	41.9	43.1	44.1	46.2	47.9	48.1	49.5	50.1	50.3	50.8	50.9	51.0	51.3
GE 14000		37.8	39.5	41.9	43.1	44.1	46.2	47.9	48.1	49.5	50.1	50.3	50.8	50.9	51.0	51.3
GE 12000		37.9	39.6	42.1	43.2	44.2	46.3	48.1	48.2	49.6	50.3	50.4	50.9	51.0	51.2	51.4
GE 10000		40.4	42.3	45.0	46.3	47.3	49.4	51.2	51.4	52.8	53.5	53.6	54.1	54.2	54.4	54.6
GE 9000		40.8	42.7	45.4	46.7	47.8	49.9	51.7	51.9	53.3	54.0	54.1	54.6	54.7	54.9	55.1
GE 8000		44.2	46.2	49.0	50.3	51.4	53.6	55.4	55.6	57.1	57.7	57.8	58.3	58.5	58.6	58.8
GE 7000		44.7	46.7	49.5	50.8	51.9	54.1	55.9	56.2	57.6	58.2	58.3	58.8	59.0	59.1	59.4
GE 6000		44.7	46.7	49.5	50.8	51.9	54.1	55.9	56.2	57.6	58.2	58.3	58.8	59.0	59.1	59.4
GE 5000		47.6	49.7	53.2	54.7	55.9	58.5	60.3	60.6	62.1	62.7	62.8	63.3	63.5	63.6	63.8
GE 4500		50.4	52.7	56.4	57.9	59.1	61.7	63.6	64.0	65.4	66.0	66.2	66.7	66.8	66.9	67.2
GE 4000		56.5	59.1	63.1	64.6	65.9	68.6	70.6	71.2	72.6	73.3	73.5	74.0	74.1	74.2	74.5
GE 3500		59.6	62.4	66.7	68.3	69.9	72.7	74.7	75.3	76.7	77.4	77.6	78.1	78.2	78.3	78.6
GE 3000		61.8	64.9	69.6	71.4	73.3	76.2	78.2	78.7	80.1	80.9	81.0	81.5	81.7	81.8	82.1
GE 2500		63.5	66.5	71.4	73.3	75.3	78.3	80.4	80.9	82.3	83.1	83.2	83.7	83.8	84.0	84.2
GE 2000		65.9	69.4	74.6	76.8	78.7	81.9	84.0	84.5	85.9	86.7	86.8	87.3	87.4	87.6	87.8
GE 1800		65.9	69.4	74.6	76.8	78.7	81.9	84.0	84.5	85.9	86.7	86.8	87.3	87.4	87.6	87.8
GE 1500		67.2	70.6	76.0	78.2	80.1	83.3	85.4	85.9	87.3	88.1	88.2	88.7	89.0	89.1	89.4
GE 1200		68.5	71.9	77.4	79.7	81.7	85.3	87.3	87.9	89.5	90.3	90.4	90.9	91.2	91.3	91.5
GE 1000		70.5	74.0	79.5	81.8	83.7	87.3	89.5	90.3	91.8	92.6	92.7	93.2	93.5	93.6	93.8
GE 900		70.6	74.1	79.7	82.1	84.0	87.6	89.7	90.5	92.1	92.8	92.9	93.5	93.7	93.8	94.1
GE 800		71.4	74.9	80.6	82.9	84.9	88.5	90.6	91.4	92.9	93.7	93.8	94.4	94.6	94.7	95.0
GE 700		71.7	75.1	81.4	83.7	85.6	89.2	91.4	92.2	93.7	94.5	94.6	95.1	95.4	95.5	95.8
GE 600		71.7	75.1	81.4	83.7	85.6	89.2	91.9	92.9	94.5	95.4	95.5	96.0	96.3	96.4	96.7
GE 500		71.7	75.1	81.7	84.0	85.9	89.6	92.6	93.6	95.1	96.0	96.2	96.7	96.9	97.1	97.3
GE 400		71.7	75.1	81.8	84.2	86.2	89.9	93.2	94.2	95.9	97.1	97.2	97.7	97.9	98.1	98.3
GE 300		71.7	75.1	81.8	84.2	86.3	90.0	93.6	94.9	96.5	97.7	97.8	98.3	98.6	98.7	99.0
GE 200		71.7	75.1	81.8	84.2	86.3	90.0	93.7	95.0	96.7	97.9	98.1	98.6	98.8	99.0	99.2
GE 100		71.7	75.1	81.8	84.2	86.3	90.0	93.8	95.1	96.8	98.1	98.2	98.8	99.1	99.2	99.7
GE 0		71.7	75.1	81.8	84.2	86.3	90.0	93.8	95.1	96.8	98.1	98.2	98.8	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 780

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(IST): 0600-0600

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL			25.2	26.2	29.7	31.1	31.5	32.6	33.6	34.2	35.3	35.6	35.9	36.4	36.9	37.3	38.1
GE 20000			31.4	32.6	36.7	38.5	39.0	40.1	41.4	42.1	43.2	43.4	43.9	44.4	45.1	45.5	46.3
GE 18000			31.4	32.6	36.7	38.5	39.0	40.1	41.4	42.1	43.2	43.4	43.9	44.4	45.1	45.5	46.3
GE 16000			31.4	32.6	36.7	38.5	39.0	40.1	41.4	42.1	43.2	43.4	43.9	44.4	45.1	45.5	46.3
GE 14000			31.5	32.8	36.8	38.6	39.1	40.2	41.6	42.2	43.3	43.5	44.0	44.5	45.2	45.6	46.5
GE 12000			32.4	33.6	37.7	39.5	40.0	41.1	42.4	43.0	44.1	44.4	44.9	45.4	46.1	46.5	47.3
GE 10000			35.5	36.8	41.0	43.2	43.6	44.7	46.1	46.7	47.8	48.0	48.5	49.0	49.8	50.1	51.0
GE 9000			36.3	37.7	41.8	44.3	44.9	46.0	47.3	47.9	49.1	49.4	49.9	50.4	51.1	51.5	52.3
GE 8000			41.0	42.3	46.8	49.4	50.4	51.6	53.3	53.9	55.3	55.5	56.0	56.5	57.2	57.6	58.4
GE 7000			42.2	43.6	48.2	50.7	51.7	53.1	54.8	55.4	56.7	57.0	57.5	57.9	58.7	59.0	59.9
GE 6000			42.3	43.8	48.4	51.0	52.0	53.3	55.0	55.6	57.0	57.2	57.7	58.2	58.9	59.3	60.1
GE 5000			44.7	46.6	51.5	54.4	55.6	57.2	59.0	59.8	61.2	61.5	62.0	62.5	63.2	63.6	64.4
GE 4500			47.7	49.6	55.0	58.4	59.7	61.5	63.3	64.1	65.5	65.8	66.3	66.7	67.5	67.8	68.7
GE 4000			51.7	53.8	59.7	63.2	64.5	66.7	68.8	69.6	71.0	71.3	71.8	72.2	73.1	73.5	74.3
GE 3500			54.2	56.4	62.5	66.1	67.5	69.7	71.8	72.5	74.0	74.2	74.7	75.2	76.0	76.4	77.3
GE 3000			56.2	58.4	64.7	68.5	69.9	72.1	74.4	75.2	76.7	76.9	77.4	77.9	78.7	79.1	80.0
GE 2500			57.6	59.9	66.4	70.5	72.1	74.4	76.8	77.5	79.0	79.2	79.7	80.2	81.1	81.4	82.3
GE 2000			60.5	63.0	69.6	73.8	75.4	77.9	80.3	81.1	82.5	82.8	83.3	83.7	84.6	85.0	85.8
GE 1800			60.5	63.0	69.6	73.8	75.4	77.9	80.3	81.1	82.5	82.8	83.3	83.7	84.6	85.0	85.8
GE 1500			61.6	64.1	70.9	75.3	76.9	79.5	82.0	82.8	84.2	84.5	85.0	85.5	86.3	86.7	87.5
GE 1200			62.8	65.4	72.4	76.8	78.4	81.2	83.7	84.5	86.1	86.3	86.8	87.3	88.1	88.5	89.4
GE 1000			63.7	66.4	73.5	78.0	79.7	82.8	85.5	86.6	88.3	88.5	89.0	89.5	90.3	90.7	91.6
GE 900			64.2	66.9	74.0	78.5	80.2	83.3	85.9	87.0	88.8	89.0	89.5	90.0	90.8	91.2	92.1
GE 800			64.3	67.1	74.4	79.0	80.7	83.9	86.6	87.8	89.5	89.7	90.2	90.7	91.6	91.9	92.8
GE 700			64.8	67.6	74.9	79.5	81.2	84.4	87.4	88.6	90.3	90.6	91.1	91.6	92.5	92.9	93.8
GE 600			65.0	67.8	75.2	79.7	81.4	84.7	87.9	89.2	91.2	91.4	92.1	92.5	93.5	93.9	94.7
GE 500			65.2	68.0	75.3	79.8	81.8	85.1	88.5	90.1	92.2	92.4	93.3	94.1	95.1	95.5	96.3
GE 400			65.2	68.0	75.3	80.2	82.2	85.5	88.9	90.8	93.2	93.5	94.5	95.4	96.3	96.7	97.7
GE 300			65.2	68.0	75.4	80.3	82.4	85.7	89.1	91.1	93.4	93.9	95.2	96.1	97.3	97.7	98.7
GE 200			65.2	68.0	75.4	80.3	82.4	85.7	89.1	91.1	93.4	93.9	95.2	96.1	97.3	97.8	98.8
GE 100			65.2	68.0	75.4	80.3	82.4	85.7	89.1	91.1	93.4	93.9	95.2	96.1	97.4	97.9	99.6
GE 0			65.2	68.0	75.4	80.3	82.4	85.7	89.1	91.1	93.4	93.9	95.2	96.1	97.4	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOUR(S)(LT): 0900-1100

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		32.2	33.1	35.4	36.1	36.2	36.8	37.3	37.5	37.7	37.7	37.8	37.8	37.8	37.8	37.8
GE 20000		42.1	43.2	45.4	46.3	46.4	47.0	47.7	48.0	48.3	48.3	48.4	48.4	48.4	48.4	48.4
GE 18000		42.1	43.2	45.4	46.3	46.4	47.0	47.7	48.0	48.3	48.3	48.4	48.4	48.4	48.4	48.4
GE 16000		42.2	43.3	45.5	46.4	46.6	47.1	47.8	48.1	48.4	48.4	48.5	48.5	48.5	48.5	48.5
GE 14000		42.4	43.4	45.6	46.6	46.7	47.3	48.0	48.2	48.5	48.5	48.7	48.7	48.7	48.7	48.7
GE 12000		43.3	44.7	46.9	47.8	48.0	48.5	49.4	49.6	49.9	49.9	50.1	50.1	50.1	50.1	50.1
GE 10000		46.6	48.2	50.5	51.7	51.8	52.4	53.2	53.4	53.8	53.8	53.9	53.9	53.9	53.9	53.9
GE 9000		47.6	49.2	51.8	53.1	53.2	53.8	54.7	55.1	55.4	55.4	55.5	55.5	55.5	55.5	55.5
GE 8000		51.2	53.1	55.9	57.3	57.5	58.1	59.0	59.4	59.7	59.7	59.9	59.9	59.9	59.9	59.9
GE 7000		52.2	54.0	56.8	58.2	58.5	59.0	60.2	60.6	60.9	60.9	61.0	61.0	61.0	61.0	61.0
GE 6000		52.4	54.3	57.1	58.5	58.7	59.3	60.4	60.8	61.1	61.1	61.3	61.3	61.3	61.3	61.3
GE 5000		55.9	57.8	61.0	62.9	63.5	64.2	65.3	65.7	66.0	66.0	66.2	66.2	66.2	66.2	66.2
GE 4500		57.3	59.2	62.7	64.6	65.2	66.0	67.2	67.6	67.9	67.9	68.0	68.0	68.0	68.0	68.0
GE 4000		61.0	63.0	66.7	68.8	69.4	70.4	71.5	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3
GE 3500		63.6	65.6	69.8	71.9	72.5	73.4	74.6	74.9	75.3	75.3	75.4	75.4	75.4	75.4	75.4
GE 3000		69.1	71.2	75.4	77.5	78.1	79.0	80.2	80.5	80.9	80.9	81.0	81.0	81.0	81.0	81.0
GE 2500		70.2	72.6	76.8	79.0	79.6	80.5	81.7	82.0	82.4	82.4	82.5	82.5	82.5	82.5	82.5
GE 2000		73.0	75.5	80.0	82.3	83.0	84.0	85.2	85.5	85.9	85.9	86.0	86.0	86.0	86.0	86.0
GE 1800		73.4	75.8	80.5	82.7	83.4	84.5	85.6	86.0	86.3	86.3	86.5	86.5	86.5	86.5	86.5
GE 1500		76.4	79.1	84.1	86.5	87.2	88.2	89.7	90.1	90.5	90.5	90.7	90.7	90.7	90.7	90.7
GE 1200		78.5	81.3	86.9	89.4	90.1	91.4	92.9	93.2	93.7	93.7	93.8	93.8	93.8	93.8	93.8
GE 1000		79.1	81.9	88.0	90.4	91.1	92.8	94.3	94.7	95.2	95.2	95.3	95.3	95.3	95.3	95.3
GE 900		79.1	81.9	88.0	90.8	91.6	93.2	94.7	95.2	95.7	95.7	95.8	95.8	95.8	95.8	95.8
GE 800		79.2	82.1	88.3	91.2	92.1	93.8	95.3	95.8	96.3	96.3	96.4	96.4	96.4	96.4	96.4
GE 700		79.2	82.1	88.4	91.5	92.3	94.4	96.1	96.6	97.1	97.1	97.2	97.4	97.4	97.4	97.4
GE 600		79.2	82.1	88.7	91.7	92.5	94.7	96.6	97.1	97.8	97.8	97.9	98.1	98.1	98.1	98.1
GE 500		79.2	82.1	88.7	91.9	92.8	95.0	96.8	97.3	98.1	98.2	98.4	98.7	98.7	98.7	98.7
GE 400		79.3	82.3	88.8	92.2	93.0	95.2	97.2	97.8	98.9	99.1	99.2	99.6	99.6	99.6	99.6
GE 300		79.3	82.3	88.8	92.2	93.0	95.2	97.2	97.8	98.9	99.1	99.2	99.6	99.6	99.6	99.6
GE 200		79.3	82.3	88.8	92.2	93.0	95.2	97.2	97.8	98.9	99.1	99.2	99.6	99.6	99.6	99.6
GE 100		79.3	82.3	88.8	92.2	93.0	95.2	97.2	97.8	98.9	99.1	99.2	99.6	99.6	99.6	99.6
GE 0		79.3	82.3	88.8	92.2	93.0	95.2	97.2	97.8	98.9	99.1	99.2	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 857

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		31.5	33.0	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
GE 20000		42.4	43.9	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 18000		42.7	44.2	45.9	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 16000		42.7	44.2	45.9	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 14000		42.8	44.3	46.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 12000		44.1	45.5	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 10000		48.4	50.0	51.8	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 9000		49.1	50.7	52.6	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 8000		51.7	53.5	55.5	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 7000		52.1	53.9	55.8	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 6000		52.2	54.0	55.9	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 5000		55.3	57.6	59.8	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 4500		58.9	61.3	64.0	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 4000		65.2	67.8	70.6	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 3500		70.8	73.7	76.7	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 3000		79.6	82.5	85.6	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 2500		83.1	86.2	89.4	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 2000		95.6	88.9	92.2	93.0	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1800		85.7	89.0	92.4	93.2	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1500		87.2	90.5	94.1	95.2	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1200		87.6	91.0	94.6	95.9	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1000		87.6	91.1	95.0	96.3	96.7	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 900		87.9	91.3	95.3	96.7	97.0	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 800		88.0	91.5	95.8	97.1	97.5	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700		88.0	91.5	95.9	97.3	97.7	98.3	98.4	98.5	98.7	98.7	98.7	99.1	99.1	99.1	99.1
GE 600		88.1	91.6	96.1	97.5	97.9	98.5	98.6	98.7	99.0	99.0	99.0	99.3	99.3	99.3	99.3
GE 500		88.1	91.6	96.1	97.5	97.9	98.5	99.0	99.1	99.4	99.4	99.4	99.8	99.8	99.8	99.8
GE 400		88.1	91.6	96.1	97.5	97.9	98.5	99.0	99.1	99.4	99.4	99.4	99.8	99.8	99.8	99.8
GE 300		88.1	91.6	96.1	97.5	97.9	98.5	99.0	99.1	99.4	99.5	99.5	99.9	99.9	99.9	99.9
GE 200		88.1	91.6	96.1	97.5	97.9	98.5	99.0	99.1	99.4	99.5	99.5	99.9	99.9	99.9	99.9
GE 100		88.1	91.6	96.1	97.5	97.9	98.5	99.0	99.1	99.4	99.5	99.5	99.9	100.0	100.0	100.0
GE 0		88.1	91.6	96.1	97.5	97.9	98.5	99.0	99.1	99.4	99.5	99.5	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 874

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	33.7	35.5	36.9	37.0	37.0	37.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 20000	42.5	44.4	46.0	46.3	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 18000	42.6	44.5	46.1	46.4	46.4	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 16000	42.6	44.5	46.1	46.4	46.4	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 14000	43.0	44.8	46.5	46.7	46.7	46.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 12000	44.4	46.3	48.1	48.4	48.4	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 10000	49.9	52.0	54.2	54.4	54.4	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 9000	51.9	54.0	56.3	56.6	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 8000	56.1	58.3	60.8	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 7000	56.9	59.1	61.6	61.8	61.8	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 6000	57.0	59.3	61.7	61.9	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 5000	59.7	62.5	65.1	65.3	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 4500	65.5	68.7	71.4	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 4000	72.0	75.6	79.3	79.6	79.6	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3500	77.4	81.1	85.0	85.4	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 3000	83.0	86.9	91.1	91.6	91.6	91.6	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2500	84.4	88.3	92.5	93.0	93.0	93.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2000	86.4	90.4	94.8	95.4	95.4	95.4	95.6	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1800	86.7	90.6	95.1	95.7	95.7	95.7	95.8	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1500	87.2	91.2	95.9	96.5	96.5	96.5	96.7	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1200	87.4	91.3	96.1	96.7	96.7	96.7	97.1	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	87.7	91.7	96.5	97.1	97.1	97.1	97.5	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	87.8	91.8	96.7	97.4	97.4	97.4	97.9	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	88.2	92.2	97.1	97.9	97.9	97.9	98.4	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	88.2	92.2	97.1	97.9	97.9	97.9	98.5	99.1	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6
GE 600	88.2	92.2	97.1	97.9	97.9	97.9	98.6	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	88.2	92.2	97.1	97.9	97.9	97.9	98.6	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	88.2	92.2	97.1	97.9	97.9	97.9	98.6	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	88.2	92.2	97.1	97.9	97.9	97.9	98.6	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	88.2	92.2	97.1	97.9	97.9	97.9	98.6	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	88.2	92.2	97.1	97.9	97.9	97.9	98.6	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	88.2	92.2	97.1	97.9	97.9	97.9	98.6	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 854

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		37.7	40.6	43.6	43.7	43.7	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 20000		45.0	48.2	51.6	51.9	51.9	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 18000		45.0	48.2	51.6	51.9	51.9	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 16000		45.0	48.2	51.6	51.9	51.9	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 14000		45.4	48.6	52.0	52.3	52.3	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 12000		46.0	49.3	52.7	53.0	53.0	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 10000		50.5	53.8	57.4	57.8	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 9000		51.5	54.9	58.6	59.0	59.0	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 8000		54.6	58.2	62.4	63.1	63.1	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 7000		55.6	59.1	63.5	64.3	64.3	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 6000		56.0	59.5	63.9	64.7	64.7	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 5000		58.3	62.4	67.7	68.8	68.9	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 4500		62.5	67.0	73.0	74.1	74.3	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4000		67.2	71.8	78.7	79.8	80.0	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3500		71.4	76.0	83.0	84.1	84.2	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 3000		75.1	80.0	87.1	88.3	88.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2500		77.0	82.2	89.6	90.9	91.0	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 2000		78.7	83.9	91.7	93.1	93.2	94.4	94.8	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0
GE 1800		78.9	84.1	91.8	93.2	93.3	94.7	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2
GE 1500		79.7	84.9	92.8	94.3	94.4	95.8	96.2	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5
GE 1200		80.5	85.8	93.7	95.2	95.4	96.9	97.4	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7
GE 1000		80.7	86.0	94.0	95.5	95.6	97.3	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1
GE 900		80.7	86.0	94.1	95.6	95.8	97.4	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2
GE 800		81.1	86.4	94.6	96.0	96.2	97.8	98.5	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8
GE 700		81.2	86.5	94.7	96.2	96.5	98.1	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2
GE 600		81.2	86.5	94.8	96.3	96.6	98.2	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
GE 500		81.2	86.5	94.8	96.3	96.6	98.4	99.0	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5
GE 400		81.2	86.5	94.8	96.3	96.6	98.4	99.0	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6
GE 300		81.2	86.5	94.8	96.3	96.6	98.4	99.0	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6
GE 200		81.2	86.5	94.8	96.3	96.6	98.4	99.0	99.3	99.5	99.5	99.6	99.6	99.6	100.0	100.0
GE 100		81.2	86.5	94.8	96.3	96.6	98.4	99.0	99.3	99.5	99.5	99.6	99.6	99.6	100.0	100.0
GE 0		81.2	86.5	94.8	96.3	96.6	98.4	99.0	99.3	99.5	99.5	99.6	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 734

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL			41.0	44.0	48.4	50.2	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 20000			46.3	49.9	54.8	57.6	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 18000			46.3	49.9	54.8	57.6	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 16000			46.3	49.9	54.8	57.6	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 14000			46.5	50.1	54.9	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 12000			47.6	51.2	56.0	58.9	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 10000			50.2	53.8	59.0	62.2	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 9000			51.6	55.6	60.8	63.9	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 8000			55.6	59.7	65.1	68.3	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 7000			55.7	59.8	65.3	68.4	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 6000			56.0	60.1	65.6	68.8	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 5000			58.2	62.3	68.4	71.6	71.9	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 4500			61.7	66.1	72.4	75.5	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 4000			65.3	70.3	76.9	80.2	80.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 3500			67.8	72.8	79.4	82.7	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 3000			71.3	76.5	83.0	87.0	87.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 2500			73.5	79.0	85.7	89.6	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000			74.9	80.8	87.8	91.8	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1800			74.9	80.8	87.8	91.8	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500			76.5	82.4	89.5	93.6	93.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1200			76.8	82.7	90.0	94.5	94.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1000			76.9	82.9	90.4	95.1	95.6	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900			77.1	83.0	90.6	95.3	95.8	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 800			77.1	83.0	90.7	95.4	95.9	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700			77.4	83.4	91.1	95.8	96.2	97.6	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 600			77.6	83.8	91.8	96.5	97.0	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500			77.6	83.8	92.2	96.9	97.3	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400			77.6	83.8	92.2	97.0	97.5	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300			77.6	83.8	92.2	97.0	97.5	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200			77.6	83.8	92.2	97.0	97.5	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.8	99.8	99.8
GE 100			77.6	83.8	92.2	97.0	97.5	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.8	99.8	100.0
GE 0			77.6	83.8	92.2	97.0	97.5	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 637

GLOBAL CLIMATOLOGY BRANCH
USAFET&C
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(157): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL	1	33.7	35.3	37.8	38.6	38.9	39.5	40.1	40.3	40.7	40.8	40.9	41.0	41.1	41.2	41.4
GE 20000	1	41.0	42.9	45.8	46.9	47.3	47.9	48.6	48.8	49.2	49.4	49.5	49.6	49.7	49.8	49.9
GE 18000	1	41.1	43.0	45.8	47.0	47.3	48.0	48.6	48.9	49.3	49.4	49.5	49.6	49.8	49.8	50.0
GE 16000	1	41.1	43.0	45.8	47.0	47.3	48.0	48.7	48.9	49.3	49.4	49.5	49.7	49.8	49.9	50.0
GE 14000	1	41.3	43.2	46.0	47.2	47.5	48.2	48.8	49.1	49.5	49.6	49.7	49.8	50.0	50.0	50.2
GE 12000	1	42.2	44.2	47.1	48.2	48.5	49.2	49.9	50.1	50.5	50.6	50.7	50.9	51.0	51.1	51.2
GE 10000	1	45.7	47.9	51.1	52.4	52.7	53.4	54.0	54.3	54.7	54.8	54.9	55.1	55.2	55.3	55.4
GE 9000	1	46.7	49.0	52.2	53.5	53.9	54.6	55.3	55.5	56.0	56.1	56.2	56.3	56.5	56.5	56.7
GE 8000	1	50.4	52.7	56.2	57.6	58.0	58.7	59.5	59.7	60.2	60.3	60.4	60.6	60.7	60.8	60.9
GE 7000	1	51.1	53.4	56.9	58.3	58.7	59.5	60.3	60.5	61.0	61.1	61.2	61.3	61.5	61.5	61.7
GE 6000	1	51.2	53.6	57.1	58.5	58.9	59.7	60.5	60.7	61.2	61.3	61.4	61.5	61.7	61.7	61.9
GE 5000	1	54.0	56.7	60.6	62.3	62.8	63.8	64.6	64.9	65.3	65.4	65.5	65.7	65.8	65.9	66.0
GE 4500	1	57.4	60.3	64.5	66.3	66.8	67.8	68.7	68.9	69.4	69.5	69.6	69.8	69.9	70.0	70.1
GE 4000	1	62.6	65.7	70.4	72.2	72.8	74.0	74.8	75.1	75.6	75.7	75.8	76.0	76.1	76.2	76.3
GE 3500	1	66.2	69.5	74.4	76.2	76.9	78.0	78.9	79.2	79.6	79.8	79.9	80.0	80.2	80.2	80.4
GE 3000	1	70.7	74.1	79.1	81.1	81.9	83.0	83.9	84.2	84.7	84.8	84.9	85.1	85.2	85.3	85.4
GE 2500	1	72.6	76.1	81.3	83.4	84.2	85.4	86.4	86.6	87.1	87.3	87.4	87.5	87.6	87.7	87.9
GE 2000	1	74.7	78.5	83.8	86.1	86.9	88.3	89.2	89.5	90.0	90.2	90.3	90.4	90.6	90.6	90.8
GE 1800	1	74.8	78.6	84.0	86.3	87.1	88.5	89.4	89.7	90.2	90.4	90.5	90.6	90.8	90.8	91.0
GE 1500	1	76.2	80.0	85.6	88.0	88.8	90.3	91.3	91.6	92.1	92.3	92.4	92.5	92.7	92.8	92.9
GE 1200	1	77.2	81.1	86.8	89.3	90.1	91.8	92.9	93.2	93.8	93.9	94.0	94.2	94.3	94.4	94.5
GE 1000	1	77.8	81.7	87.7	90.2	91.1	92.9	94.1	94.5	95.0	95.2	95.3	95.4	95.6	95.7	95.8
GE 900	1	78.0	81.9	87.9	90.5	91.4	93.2	94.4	94.8	95.3	95.5	95.6	95.8	95.9	96.0	96.1
GE 800	1	78.3	82.3	88.4	91.0	91.9	93.8	95.0	95.4	96.0	96.1	96.2	96.4	96.6	96.6	96.8
GE 700	1	78.5	82.4	88.7	91.3	92.2	94.2	95.5	96.0	96.6	96.8	96.9	97.1	97.3	97.4	97.5
GE 600	1	78.6	82.5	88.9	91.6	92.5	94.5	95.9	96.4	97.1	97.3	97.4	97.7	97.9	97.9	98.1
GE 500	1	78.6	82.6	89.0	91.7	92.7	94.7	96.2	96.8	97.6	97.8	98.0	98.3	98.4	98.5	98.7
GE 400	1	78.6	82.6	89.1	91.9	92.9	94.9	96.5	97.1	98.0	98.2	98.4	98.8	99.0	99.0	99.2
GE 300	1	78.6	82.6	89.1	91.9	92.9	94.9	96.5	97.2	98.1	98.4	98.7	99.0	99.2	99.3	99.5
GE 200	1	78.6	82.6	89.1	91.9	92.9	94.9	96.6	97.3	98.2	98.4	98.7	99.0	99.3	99.5	99.7
GE 100	1	78.6	82.6	89.1	91.9	92.9	94.9	96.6	97.3	98.2	98.5	98.7	99.1	99.4	99.5	99.9
GE 0	1	78.6	82.6	89.1	91.9	92.9	94.9	96.6	97.3	98.2	98.5	98.7	99.1	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 6103

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		43.8	45.6	49.5	51.0	51.2	52.1	52.8	52.8	53.2	53.5	54.2	54.2	54.2	54.4	55.0
GE 20000		48.3	50.1	54.1	55.5	55.7	56.6	57.3	57.3	57.7	58.0	58.7	58.7	58.7	58.9	59.5
GE 18000		48.3	50.1	54.1	55.5	55.7	56.6	57.3	57.3	57.7	58.0	58.7	58.7	58.7	58.9	59.5
GE 16000		48.3	50.1	54.1	55.5	55.7	56.6	57.3	57.3	57.7	58.0	58.7	58.7	58.7	58.9	59.5
GE 14000		48.3	50.1	54.1	55.5	55.7	56.6	57.3	57.3	57.7	58.0	58.7	58.7	58.7	58.9	59.5
GE 12000		48.5	50.3	54.2	55.7	55.9	56.8	57.5	57.5	57.8	58.2	58.9	58.9	58.9	59.1	59.6
GE 10000		50.3	52.1	56.0	57.5	57.7	58.6	59.3	59.3	59.6	60.0	60.7	60.7	60.7	60.9	61.4
GE 9000		50.6	52.6	56.6	58.0	58.2	59.1	59.8	59.8	60.2	60.5	61.3	61.3	61.3	61.4	62.0
GE 8000		52.8	55.1	59.1	60.5	60.7	61.6	62.3	62.3	62.7	63.1	63.8	63.8	63.8	64.0	64.5
GE 7000		52.8	55.1	59.1	60.5	60.7	61.6	62.3	62.3	62.7	63.1	63.8	63.8	63.8	64.0	64.5
GE 6000		53.2	55.5	59.5	60.9	61.1	62.0	62.7	62.7	63.1	63.4	64.1	64.1	64.1	64.3	64.9
GE 5000		54.6	56.9	60.9	62.3	62.5	63.4	64.1	64.1	64.5	64.9	65.6	65.6	65.6	65.8	66.3
GE 4500		55.9	58.4	62.3	64.1	64.3	65.2	65.9	65.9	66.3	66.7	67.4	67.4	67.4	67.6	68.1
GE 4000		58.7	61.4	65.6	67.4	67.6	68.5	69.2	69.2	69.7	70.1	70.8	70.8	70.8	71.0	71.5
GE 3500		60.5	63.2	67.4	69.4	69.5	70.6	71.4	71.4	71.9	72.3	73.0	73.0	73.0	73.2	73.7
GE 3000		62.7	66.3	70.5	72.4	72.6	73.9	75.0	75.0	75.5	75.9	76.6	76.6	76.6	76.8	77.3
GE 2500		65.2	69.9	74.4	76.4	76.6	77.8	79.5	79.5	80.0	80.4	81.1	81.1	81.1	81.3	81.8
GE 2000		69.0	74.2	78.7	80.9	81.3	82.7	84.7	84.7	85.4	85.8	86.5	86.5	86.5	86.7	87.2
GE 1800		69.0	74.2	78.9	81.1	81.4	82.9	84.9	84.9	85.6	85.9	86.7	86.7	86.7	86.8	87.4
GE 1500		71.5	76.9	82.2	84.5	84.9	86.3	88.3	88.3	89.0	89.4	90.1	90.1	90.1	90.3	90.8
GE 1200		72.4	78.0	83.2	85.8	86.5	87.9	89.9	89.9	90.6	91.0	91.7	91.7	91.7	91.9	92.4
GE 1000		72.6	78.2	83.6	86.3	87.0	88.5	90.5	90.8	91.5	91.9	92.6	92.6	92.6	92.8	93.3
GE 900		72.6	78.2	83.6	86.3	87.0	88.5	90.5	90.8	91.5	91.9	92.6	92.6	92.6	92.8	93.3
GE 800		72.6	78.2	83.6	86.3	87.2	88.8	91.0	91.4	92.1	92.4	93.2	93.2	93.2	93.3	93.9
GE 700		72.8	78.4	83.8	86.5	87.4	89.0	91.2	91.5	92.4	92.8	93.5	93.5	93.5	93.7	94.2
GE 600		73.0	78.6	84.0	86.8	87.7	89.4	91.5	91.9	92.8	93.2	93.9	93.9	93.9	94.1	94.6
GE 500		73.0	78.7	84.1	87.0	88.1	89.9	92.3	92.6	93.5	93.9	94.6	94.6	94.6	95.0	95.5
GE 400		73.3	78.7	84.1	87.0	88.1	89.9	92.6	93.0	93.9	94.2	95.0	95.1	95.1	95.3	95.9
GE 300		73.0	78.7	84.5	87.6	88.6	90.5	93.2	93.7	94.6	95.0	95.7	95.9	95.9	96.0	97.1
GE 200		73.0	78.7	84.5	87.6	88.6	90.5	93.2	93.9	94.8	95.3	96.0	96.4	96.4	96.6	97.7
GE 100		73.0	78.7	84.5	87.6	88.6	90.5	93.2	93.9	94.8	95.3	96.0	96.4	96.4	97.1	98.7
GE 0		73.0	78.7	84.5	87.6	88.6	90.5	93.2	93.9	94.8	95.3	96.0	96.4	96.4	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 555

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS (LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		33.3	35.7	39.5	40.7	41.6	42.9	43.0	43.6	44.2	44.2	44.6	44.7	45.4	45.5	47.0
GE 20000		36.7	39.3	43.6	45.0	45.9	47.1	47.2	47.9	48.5	48.5	48.9	49.0	49.6	49.7	51.3
GE 18000		36.7	39.3	43.6	45.0	45.9	47.1	47.2	47.9	48.5	48.5	48.9	49.0	49.6	49.7	51.3
GE 16000		36.7	39.3	43.6	45.0	45.9	47.1	47.2	47.9	48.5	48.5	48.9	49.0	49.6	49.7	51.3
GE 14000		36.7	39.3	43.6	45.0	45.9	47.1	47.2	47.9	48.5	48.5	48.9	49.0	49.6	49.7	51.3
GE 12000		37.3	40.0	44.2	45.6	46.5	47.7	47.9	48.5	49.1	49.1	49.5	49.6	50.3	50.4	51.9
GE 10000		38.2	40.9	45.1	46.5	47.4	48.6	48.7	49.4	50.0	50.0	50.4	50.5	51.1	51.3	52.8
GE 9000		39.6	42.5	46.7	48.1	49.0	50.3	50.4	51.0	51.6	51.6	52.0	52.1	52.8	52.9	54.4
GE 8000		42.2	45.7	50.4	51.8	52.6	53.9	54.0	54.6	55.3	55.3	55.6	55.8	56.4	56.5	58.0
GE 7000		42.4	45.9	50.8	52.1	53.0	54.3	54.4	55.0	55.6	55.6	56.0	56.1	56.8	56.9	58.4
GE 6000		42.7	46.2	51.1	52.5	53.4	54.6	54.8	55.4	56.1	56.1	56.5	56.6	57.3	57.4	58.9
GE 5000		44.7	48.2	53.3	54.8	55.6	56.9	57.0	57.6	58.5	58.5	58.9	59.0	59.6	59.8	61.3
GE 4500		46.7	50.5	55.8	57.3	58.1	59.4	59.5	60.2	61.0	61.0	61.4	61.5	62.2	62.3	63.8
GE 4000		49.9	53.8	59.5	61.0	61.9	63.3	63.5	64.3	65.3	65.3	65.7	65.8	66.4	66.5	68.0
GE 3500		51.6	55.5	61.8	63.3	64.2	66.2	66.4	67.2	68.2	68.2	68.5	68.7	69.5	69.7	71.2
GE 3000		53.8	57.8	64.7	66.3	67.2	69.3	69.8	70.6	71.7	71.7	72.1	72.2	73.1	73.2	74.7
GE 2500		56.6	61.2	69.0	70.7	71.6	73.7	74.3	75.1	76.2	76.2	76.6	76.7	77.6	77.7	79.2
GE 2000		59.5	64.0	73.1	74.7	75.8	78.1	79.1	79.9	81.5	81.6	82.0	82.1	83.0	83.1	84.6
GE 1800		59.6	64.4	73.6	75.2	76.3	78.6	79.6	80.6	82.5	82.7	83.1	83.2	84.1	84.2	85.7
GE 1500		61.8	66.5	75.9	77.7	78.8	81.1	82.1	83.1	85.0	85.3	85.7	85.8	86.7	86.8	88.3
GE 1200		62.5	67.3	76.8	78.6	79.7	82.0	83.1	84.2	86.1	86.5	86.8	87.0	87.8	88.0	89.5
GE 1000		63.2	67.9	77.6	79.4	80.7	83.0	84.1	85.5	87.3	87.7	88.1	88.2	89.1	89.2	90.7
GE 900		63.5	68.3	78.1	80.1	81.3	83.6	84.7	86.1	88.0	88.3	88.7	89.0	89.8	90.0	91.5
GE 800		64.0	68.8	78.6	80.6	81.8	84.1	85.5	87.0	88.8	89.2	89.6	89.8	90.7	90.9	92.4
GE 700		64.2	69.0	79.1	81.1	82.3	84.8	86.2	87.7	89.6	90.0	90.4	90.6	91.5	91.6	93.1
GE 600		64.3	69.2	79.2	81.3	82.6	85.1	86.5	88.0	90.0	90.4	90.7	91.0	91.9	92.0	93.5
GE 500		64.3	69.2	79.2	81.3	82.6	85.5	87.5	89.1	91.5	91.9	92.2	92.5	93.4	93.5	95.0
GE 400		64.4	69.4	79.4	81.7	83.0	85.8	87.8	89.5	91.9	92.2	92.6	92.9	93.7	93.9	95.4
GE 300		64.4	69.4	79.4	81.7	83.0	85.8	88.0	89.6	92.0	92.4	92.7	93.0	93.9	94.0	95.9
GE 200		64.4	69.4	79.4	81.7	83.0	85.8	88.0	89.6	92.0	92.4	92.7	93.2	94.2	94.5	97.0
GE 100		64.4	69.4	79.4	81.7	83.1	86.1	88.2	89.8	92.2	92.6	93.1	93.7	94.9	95.5	99.1
GE 0		64.4	69.4	79.4	81.7	83.1	86.1	88.2	89.8	92.2	92.6	93.1	93.7	94.9	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 798

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	I	24.3	26.6	29.6	31.3	31.7	32.8	33.4	34.0	34.5	34.6	34.9	35.1	35.2	35.7	37.7	
GE 20000	I	28.2	31.3	34.9	36.8	37.2	38.7	39.4	40.1	41.0	41.1	41.5	41.7	41.9	42.6	45.1	
GE 18000	I	28.4	31.5	35.1	37.1	37.4	38.9	39.7	40.4	41.3	41.4	41.7	42.0	42.1	42.9	45.3	
GE 16000	I	28.4	31.5	35.1	37.1	37.4	38.9	39.7	40.4	41.3	41.4	41.7	42.0	42.1	42.9	45.3	
GE 14000	I	28.4	31.5	35.1	37.1	37.4	38.9	39.7	40.4	41.3	41.4	41.7	42.0	42.1	42.9	45.3	
GE 12000	I	28.4	31.5	35.1	37.3	37.7	39.2	39.9	40.6	41.5	41.6	42.0	42.2	42.4	43.1	45.6	
GE 10000	I	30.4	33.6	37.2	39.4	39.8	41.3	42.0	42.7	43.7	44.0	44.3	44.6	44.7	45.4	48.0	
GE 9000	I	31.8	35.0	38.7	40.9	41.3	42.9	43.6	44.3	45.3	45.6	45.9	46.2	46.3	47.0	49.6	
GE 8000	I	35.8	39.3	43.5	45.7	46.3	48.0	49.1	49.9	50.9	51.1	51.5	51.7	51.8	52.6	55.2	
GE 7000	I	36.9	40.4	44.6	46.8	47.4	49.1	50.2	51.0	52.0	52.2	52.6	53.0	53.2	53.9	56.5	
GE 6000	I	36.9	40.4	44.6	46.8	47.4	49.1	50.2	51.0	52.0	52.2	52.6	53.0	53.2	53.9	56.5	
GE 5000	I	39.2	42.7	47.2	49.4	50.0	51.7	52.8	53.7	54.7	54.9	55.4	55.8	56.0	56.8	59.4	
GE 4500	I	40.0	43.6	48.0	50.4	51.0	53.2	54.3	55.3	56.3	56.5	57.0	57.4	57.6	58.4	61.0	
GE 4000	I	42.9	46.8	52.0	54.7	55.3	57.8	58.9	59.9	61.1	61.5	61.9	62.3	62.7	63.4	66.0	
GE 3500	I	44.8	48.9	54.3	57.0	57.6	60.2	61.7	62.8	64.2	64.5	65.0	65.4	65.8	66.5	69.1	
GE 3000	I	46.9	51.2	57.3	60.2	61.0	63.9	65.6	66.7	68.1	68.5	69.0	69.3	69.7	70.4	73.0	
GE 2500	I	48.4	53.0	59.4	63.1	63.9	67.1	69.0	70.4	71.8	72.2	72.7	73.2	73.5	74.3	76.8	
GE 2000	I	50.9	55.5	62.3	66.6	67.7	71.4	73.8	75.4	76.7	77.1	77.6	78.1	78.4	79.2	81.8	
GE 1800	I	51.0	55.7	62.4	66.7	67.9	71.6	73.9	75.5	77.2	77.7	78.2	78.7	79.1	79.8	82.4	
GE 1500	I	52.7	57.5	64.9	69.6	70.7	74.5	77.1	78.7	80.4	80.9	81.4	81.9	82.5	83.3	85.8	
GE 1200	I	53.7	58.6	66.3	71.3	72.5	76.5	79.2	80.8	82.5	83.0	83.5	84.0	84.6	85.3	87.9	
GE 1000	I	54.9	60.2	68.0	73.0	74.3	78.2	80.9	82.5	84.4	84.9	85.3	85.8	86.5	87.2	89.8	
GE 900	I	55.3	60.7	68.5	73.5	74.8	78.7	81.4	83.0	85.2	85.8	86.3	86.8	87.4	88.2	90.8	
GE 800	I	55.3	60.7	68.6	73.6	74.9	78.8	81.8	83.4	85.6	86.2	86.7	87.3	87.9	88.7	91.3	
GE 700	I	55.7	61.3	69.5	74.5	75.7	79.8	82.8	84.5	86.8	87.4	87.9	88.5	89.2	89.9	92.5	
GE 600	I	55.8	61.5	69.6	74.6	75.9	80.2	83.1	84.9	87.3	87.9	88.4	89.0	89.7	90.4	93.0	
GE 500	I	55.8	61.6	69.8	74.9	76.1	80.5	83.6	85.3	87.8	88.4	88.9	89.5	90.3	91.0	93.6	
GE 400	I	55.8	61.6	70.1	75.2	76.6	81.0	84.1	86.0	88.5	89.2	89.8	90.4	91.1	91.9	94.7	
GE 300	I	55.8	61.6	70.2	75.4	76.7	81.2	84.4	86.2	88.8	89.4	90.0	90.8	91.7	92.6	95.6	
GE 200	I	55.8	61.6	70.2	75.4	76.7	81.2	84.4	86.2	88.9	89.5	90.3	91.1	92.5	94.1	97.8	
GE 100	I	55.8	61.6	70.2	75.4	76.7	81.2	84.4	86.2	88.9	89.5	90.3	91.3	92.6	94.2	99.3	
GE 0	I	55.8	61.6	70.2	75.4	76.7	81.2	84.4	86.2	88.9	89.5	90.3	91.3	92.6	94.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 812

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL		28.3	30.1	32.9	34.7	34.9	35.3	36.0	36.3	36.6	36.9	36.9	36.9	36.9	36.9	37.0	
GE 20000		36.0	38.0	41.3	43.6	43.7	44.3	45.4	45.6	46.1	46.3	46.3	46.3	46.3	46.3	46.7	
GE 18000		36.8	38.7	42.0	44.3	44.4	45.0	46.1	46.3	46.8	47.1	47.1	47.1	47.1	47.1	47.4	
GE 16000		36.8	38.7	42.0	44.3	44.4	45.0	46.1	46.3	46.8	47.1	47.1	47.1	47.1	47.1	47.4	
GE 14000		36.8	38.7	42.0	44.3	44.4	45.0	46.1	46.3	46.8	47.1	47.1	47.1	47.1	47.1	47.4	
GE 12000		37.1	39.0	42.4	44.7	44.8	45.4	46.5	46.7	47.2	47.4	47.4	47.4	47.4	47.4	47.8	
GE 10000		39.6	41.7	45.0	47.3	47.4	48.0	49.5	49.8	50.3	50.5	50.5	50.5	50.5	50.5	50.9	
GE 9000		40.8	43.0	46.3	48.6	48.7	49.3	50.8	51.1	51.6	51.9	51.9	51.9	51.9	51.9	52.2	
GE 8000		46.2	48.5	52.2	54.7	54.9	55.6	57.1	57.6	58.3	58.6	58.6	58.7	58.7	58.7	59.0	
GE 7000		47.8	50.2	54.0	56.5	56.6	57.4	58.9	59.4	60.1	60.4	60.4	60.5	60.5	60.5	60.8	
GE 6000		48.3	50.7	54.5	57.0	57.1	57.8	59.4	59.9	60.6	60.8	60.8	61.0	61.0	61.0	61.3	
GE 5000		49.6	52.0	56.0	58.6	58.7	59.4	61.0	61.4	62.3	62.5	62.5	62.6	62.6	62.6	63.0	
GE 4500		50.7	53.1	57.5	60.0	60.1	60.8	62.4	62.9	63.7	64.0	64.0	64.1	64.1	64.1	64.4	
GE 4000		53.2	55.8	60.4	63.1	63.4	64.1	65.6	66.1	66.9	67.2	67.2	67.3	67.3	67.3	67.7	
GE 3500		54.5	57.1	61.8	64.6	64.8	65.5	67.2	67.7	68.5	68.7	68.7	68.9	68.9	68.9	69.2	
GE 3000		57.2	60.6	65.9	69.0	69.2	70.1	72.0	72.5	73.4	73.7	73.7	73.8	73.8	73.8	74.1	
GE 2500		58.9	62.3	67.7	71.7	72.3	73.4	75.3	75.8	77.0	77.2	77.2	77.4	77.4	77.4	77.7	
GE 2000		62.0	65.4	71.3	76.0	76.8	78.0	80.1	80.6	81.8	82.0	82.0	82.2	82.2	82.2	82.5	
GE 1800		62.9	66.2	72.2	77.0	77.7	78.9	81.1	81.6	82.8	83.0	83.0	83.1	83.1	83.1	83.5	
GE 1500		64.6	68.1	74.4	79.4	80.1	81.7	84.0	84.4	85.6	85.9	85.9	86.0	86.0	86.0	86.3	
GE 1200		65.9	69.6	75.9	81.1	81.9	83.6	85.9	86.3	87.5	87.8	87.8	87.9	87.9	87.9	88.3	
GE 1000		66.8	70.8	77.6	82.9	83.7	85.4	87.8	88.3	89.7	89.9	89.9	90.1	90.1	90.1	90.4	
GE 900		67.2	71.1	78.1	83.4	84.2	85.9	88.3	88.7	90.2	90.4	90.4	90.5	90.5	90.5	90.9	
GE 800		67.3	71.3	78.4	83.7	84.6	86.3	89.0	89.6	91.0	91.3	91.3	91.4	91.4	91.4	91.7	
GE 700		67.5	71.5	78.7	84.1	84.9	86.8	89.5	90.1	91.7	92.0	92.0	92.1	92.1	92.1	92.7	
GE 600		67.5	71.5	78.7	84.1	85.0	87.2	89.9	90.5	92.3	92.6	92.7	92.8	92.8	92.8	93.4	
GE 500		67.8	71.7	79.0	84.7	85.6	87.9	90.8	91.6	93.4	93.8	93.9	94.1	94.1	94.1	94.7	
GE 400		67.9	71.9	79.2	85.0	86.0	88.4	91.6	92.6	94.5	95.0	95.2	95.4	95.6	95.6	96.2	
GE 300		67.9	71.9	79.2	85.0	86.0	88.4	91.7	92.8	94.7	95.2	95.6	96.2	96.4	96.4	97.1	
GE 200		67.9	71.9	79.2	85.0	86.0	88.4	91.7	92.8	94.7	95.3	95.9	96.8	97.5	97.5	98.8	
GE 100		67.9	71.9	79.2	85.0	86.0	88.4	91.7	92.8	94.7	95.3	95.9	96.8	97.5	97.5	99.8	
GE 0		67.9	71.9	79.2	85.0	86.0	88.4	91.7	92.8	94.7	95.3	95.9	96.8	97.5	97.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(1ST): 1200-1400

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		70.4	31.9	34.0	34.3	34.3	34.8	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 20000		40.4	42.3	44.6	45.1	45.1	45.9	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 18000		40.9	42.8	45.1	45.6	45.6	46.4	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 16000		40.9	42.8	45.1	45.6	45.6	46.4	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 14000		40.9	42.8	45.1	45.6	45.6	46.4	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 12000		41.6	43.5	45.8	46.3	46.3	47.1	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 10000		45.6	47.4	49.9	50.5	50.7	51.7	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 9000		46.7	48.7	51.2	51.7	52.0	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 8000		53.0	55.2	57.7	58.5	58.7	59.9	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 7000		53.6	55.8	58.3	59.1	59.3	60.6	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 6000		53.6	55.8	58.3	59.1	59.3	60.6	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 5000		55.0	57.2	59.7	60.5	60.7	62.0	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 4500		56.8	59.0	61.7	62.5	62.7	64.0	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 4000		61.4	63.8	66.6	67.7	68.1	69.6	70.0	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 3500		64.8	67.6	70.4	71.6	71.9	73.5	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 3000		71.2	74.6	78.0	79.4	79.7	81.5	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 2500		73.5	77.2	80.5	82.1	82.4	84.1	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 2000		76.6	80.4	84.1	85.8	86.1	87.9	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1800		76.8	80.7	84.4	86.0	86.4	88.1	88.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 1500		79.0	83.1	87.1	88.7	89.0	91.3	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1200		80.7	84.7	88.9	90.6	90.9	93.2	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1000		80.7	84.7	88.9	91.1	91.5	93.8	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900		81.0	85.1	89.9	91.5	91.8	94.2	95.2	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 800		81.4	85.5	90.4	92.1	92.4	94.8	95.9	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6
GE 700		81.7	85.9	90.9	92.5	92.9	95.2	96.4	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2
GE 600		81.8	86.0	91.0	92.9	93.2	95.6	97.1	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9
GE 500		81.9	86.1	91.3	93.1	93.5	95.8	97.7	98.3	98.6	98.8	99.0	99.1	99.1	99.1	99.1
GE 400		81.9	86.1	91.3	93.1	93.5	95.8	97.7	98.4	98.7	99.0	99.2	99.3	99.3	99.3	99.3
GE 300		81.9	86.1	91.3	93.1	93.5	95.8	97.7	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4
GE 200		81.9	86.1	91.3	93.1	93.5	95.8	97.7	98.4	98.8	99.1	99.3	99.4	99.5	99.7	99.9
GE 100		81.9	86.1	91.3	93.1	93.5	95.8	97.7	98.4	98.8	99.1	99.3	99.4	99.5	99.7	100.0
GE 0		81.9	86.1	91.3	93.1	93.5	95.8	97.7	98.4	98.8	99.1	99.3	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 858

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL		27.3	28.1	29.8	30.5	30.5	30.9	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.2	31.2	
GE 20000		38.5	40.2	42.3	43.1	43.1	43.6	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.0	
GE 18000		38.7	40.4	42.6	43.4	43.4	43.9	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	
GE 16000		38.7	40.4	42.6	43.4	43.4	43.9	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	
GE 14000		38.9	40.6	42.8	43.6	43.6	44.1	44.3	44.3	44.3	44.3	44.5	44.5	44.5	44.5	44.5	
GE 12000		39.8	41.6	43.7	44.6	44.6	45.1	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	
GE 10000		43.5	45.4	47.7	48.5	48.6	49.2	49.6	49.6	49.7	49.7	49.8	49.8	49.8	49.8	49.8	
GE 9000		43.9	45.8	48.2	49.0	49.1	49.7	50.1	50.1	50.2	50.2	50.3	50.3	50.3	50.3	50.3	
GE 8000		50.8	52.9	55.7	56.6	56.7	57.7	58.0	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.3	
GE 7000		51.6	53.8	56.5	57.6	57.7	58.6	59.0	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	
GE 6000		51.7	53.9	56.6	57.7	57.8	58.8	59.1	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	
GE 5000		53.3	55.4	58.2	59.4	59.7	60.7	61.0	61.0	61.1	61.1	61.3	61.3	61.3	61.3	61.3	
GE 4500		56.4	58.6	61.5	62.7	63.1	64.0	64.4	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	
GE 4000		63.6	66.0	69.0	70.2	70.8	71.8	72.1	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3	
GE 3500		68.3	71.2	74.4	75.8	76.4	77.4	77.7	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	
GE 3000		73.9	77.4	80.9	82.5	83.1	84.3	84.6	84.6	84.7	84.7	84.9	84.9	84.9	84.9	84.9	
GE 2500		75.4	79.3	83.0	84.5	85.1	86.4	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	
GE 2000		77.8	82.2	86.3	88.0	88.6	89.9	90.2	90.2	90.3	90.3	90.5	90.5	90.5	90.5	90.5	
GE 1800		78.1	82.5	86.5	88.2	88.8	90.1	90.5	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	
GE 1500		80.1	85.3	89.6	91.7	92.3	93.9	94.3	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	
GE 1200		81.8	87.0	91.9	94.3	95.0	96.7	97.0	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	
GE 1000		81.9	87.1	92.1	94.5	95.2	96.9	97.3	97.6	97.7	97.7	97.9	97.9	97.9	97.9	97.9	
GE 900		82.1	87.4	92.4	94.8	95.5	97.1	97.5	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	
GE 800		82.4	87.6	92.6	95.0	95.7	97.4	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	
GE 700		82.5	87.7	92.8	95.5	96.2	97.9	98.3	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3	
GE 600		82.6	87.8	93.0	95.6	96.3	98.0	98.5	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	
GE 500		82.6	87.8	93.0	95.6	96.3	98.0	98.5	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	
GE 400		82.6	87.8	93.1	95.7	96.4	98.1	98.6	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	
GE 300		82.6	87.8	93.1	95.7	96.4	98.1	98.6	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	
GE 200		82.6	87.8	93.1	95.7	96.4	98.1	98.6	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	
GE 100		82.6	87.8	93.1	95.7	96.4	98.1	98.6	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	
GE 0		82.6	87.8	93.1	95.7	96.4	98.1	98.6	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	

TOTAL NUMBER OF OBSERVATIONS: 839

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1800-2400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	I		38.7	39.8	41.7	43.0	43.1	43.5	43.7	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.6
GE 20000	I		45.4	47.5	49.7	51.0	51.2	51.7	52.0	52.5	52.5	52.5	52.7	52.7	52.7	52.7	53.1
GE 18000	I		45.4	47.5	49.7	51.0	51.2	51.7	52.0	52.5	52.5	52.5	52.7	52.7	52.7	52.7	53.1
GE 16000	I		45.4	47.5	49.7	51.0	51.2	51.7	52.0	52.5	52.5	52.5	52.7	52.7	52.7	52.7	53.1
GE 14000	I		45.4	47.5	49.7	51.0	51.2	51.7	52.0	52.5	52.5	52.5	52.7	52.7	52.7	52.7	53.1
GE 12000	I		46.1	48.2	50.3	51.7	51.8	52.4	52.7	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.8
GE 10000	I		48.8	51.2	53.3	54.7	54.8	55.4	55.7	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.8
GE 9000	I		49.4	51.7	54.2	55.7	55.8	56.3	56.6	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.7
GE 8000	I		55.3	57.6	60.3	61.8	61.9	62.5	62.8	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.8
GE 7000	I		55.4	57.7	60.4	61.9	62.1	62.6	62.9	63.4	63.4	63.4	63.6	63.6	63.6	63.6	64.0
GE 6000	I		55.5	57.8	60.6	62.1	62.2	62.8	63.0	63.6	63.6	63.6	63.7	63.7	63.7	63.7	64.1
GE 5000	I		56.6	58.9	61.7	63.2	63.3	63.8	64.1	64.7	64.7	64.7	64.8	64.8	64.8	64.8	65.2
GE 4500	I		59.3	61.7	64.8	66.3	66.4	67.0	67.4	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.5
GE 4000	I		64.4	67.1	70.3	71.9	72.2	72.7	73.1	73.8	73.8	73.8	73.9	73.9	73.9	73.9	74.4
GE 3500	I		68.1	71.5	74.6	76.3	76.5	77.2	77.6	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.9
GE 3000	I		70.8	75.4	79.1	80.9	81.2	82.0	82.5	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.8
GE 2500	I		72.4	77.4	81.2	83.1	83.4	84.2	84.7	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.9
GE 2000	I		75.0	79.9	84.0	86.2	86.5	87.3	87.9	88.8	88.8	88.8	88.9	88.9	88.9	88.9	89.4
GE 1800	I		75.4	80.4	84.4	86.6	86.9	87.7	88.3	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.8
GE 1500	I		77.6	83.4	87.9	90.5	90.7	91.5	92.1	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.6
GE 1200	I		78.3	84.0	88.9	92.1	92.4	93.2	93.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	95.2
GE 1000	I		79.5	85.3	90.5	93.6	94.0	95.0	95.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	97.1
GE 900	I		79.9	85.7	91.1	94.3	94.7	95.6	96.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.8
GE 800	I		80.4	86.1	91.5	94.7	95.1	96.0	96.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	98.2
GE 700	I		80.4	86.1	91.5	94.7	95.1	96.0	96.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	98.2
GE 600	I		80.5	86.2	91.8	95.0	95.4	96.5	97.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.9
GE 500	I		80.6	86.4	92.0	95.2	95.6	96.7	97.7	98.6	98.6	98.6	98.8	98.8	98.8	98.8	99.2
GE 400	I		80.6	86.4	92.0	95.4	95.8	96.9	97.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.3
GE 300	I		80.8	86.5	92.2	95.6	96.0	97.1	98.1	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.6
GE 200	I		80.8	86.5	92.2	95.6	96.0	97.1	98.1	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.9
GE 100	I		80.8	86.5	92.2	95.6	96.0	97.1	98.1	99.0	99.0	99.0	99.2	99.2	99.2	99.2	100.0
GE 0	I		80.8	86.5	92.2	95.6	96.0	97.1	98.1	99.0	99.0	99.0	99.2	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 733

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86

MONTH: OCT HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL			42.9	44.9	47.0	47.9	48.1	49.0	49.5	49.8	50.2	50.2	50.2	50.4	50.4	50.4	50.8
GE 20000			46.0	48.1	50.5	51.5	51.6	52.7	53.1	53.4	53.9	53.9	53.9	54.0	54.2	54.2	54.7
GE 18000			46.0	48.1	50.5	51.5	51.6	52.7	53.1	53.4	53.9	53.9	53.9	54.0	54.2	54.2	54.7
GE 16000			46.0	48.1	50.5	51.5	51.6	52.7	53.1	53.4	53.9	53.9	53.9	54.0	54.2	54.2	54.7
GE 14000			46.0	48.1	50.5	51.5	51.6	52.7	53.1	53.4	53.9	53.9	53.9	54.0	54.2	54.2	54.7
GE 12000			46.0	48.1	50.5	51.5	51.6	52.7	53.1	53.4	53.9	53.9	53.9	54.0	54.2	54.2	54.7
GE 10000			49.3	51.8	54.2	55.1	55.3	56.5	56.9	57.3	57.7	57.7	57.7	57.9	58.0	58.0	58.5
GE 9000			49.6	52.1	54.5	55.4	55.7	57.1	57.6	57.9	58.3	58.3	58.3	58.5	58.6	58.6	59.1
GE 8000			53.1	55.6	58.2	59.1	59.4	60.8	61.2	61.5	62.0	62.0	62.0	62.1	62.3	62.3	62.7
GE 7000			53.6	56.0	58.6	59.5	59.8	61.2	61.7	62.0	62.4	62.4	62.4	62.6	62.7	62.7	63.2
GE 6000			53.7	56.2	58.8	59.7	60.0	61.4	61.8	62.1	62.6	62.6	62.6	62.7	62.9	62.9	63.4
GE 5000			56.5	58.9	61.8	62.7	63.1	64.4	64.9	65.2	65.6	65.6	65.6	65.8	66.0	66.0	66.4
GE 4500			58.2	60.9	64.0	64.9	65.2	66.6	67.0	67.3	67.8	67.8	67.8	67.9	68.1	68.1	68.5
GE 4000			63.1	66.4	69.5	70.4	70.7	72.1	72.5	72.8	73.3	73.3	73.3	73.4	73.6	73.6	74.0
GE 3500			65.8	69.2	72.2	73.1	73.4	74.8	75.3	75.6	76.0	76.0	76.0	76.2	76.3	76.3	76.8
GE 3000			69.3	73.1	76.8	77.9	78.2	79.5	80.3	80.6	81.1	81.1	81.1	81.2	81.4	81.4	81.8
GE 2500			72.8	77.1	81.2	82.6	82.9	84.3	85.2	85.5	86.0	86.0	86.0	86.1	86.3	86.3	86.7
GE 2000			75.3	79.5	84.0	85.5	85.8	87.2	88.1	88.7	89.2	89.2	89.2	89.3	89.5	89.5	89.9
GE 1800			75.4	79.7	84.1	85.6	86.0	87.3	88.2	88.9	89.3	89.3	89.3	89.5	89.6	89.6	90.1
GE 1500			77.6	82.0	86.6	88.9	89.2	90.5	91.5	92.1	92.5	92.5	92.5	92.7	92.8	92.8	93.3
GE 1200			78.2	82.6	87.6	90.1	90.5	91.9	92.8	93.4	93.9	93.9	93.9	94.0	94.2	94.2	94.7
GE 1000			78.8	83.2	88.5	91.0	91.5	92.8	93.7	94.4	94.8	94.8	94.8	95.0	95.1	95.1	95.6
GE 900			80.0	84.4	89.8	92.2	92.7	94.0	95.0	95.6	96.0	96.0	96.0	96.2	96.3	96.3	96.8
GE 800			80.0	84.4	89.8	92.5	93.0	94.4	95.3	95.9	96.3	96.3	96.3	96.5	96.6	96.6	97.1
GE 700			80.2	84.7	90.1	92.8	93.3	94.7	95.6	96.2	96.6	96.6	96.6	96.8	96.9	96.9	97.4
GE 600			80.2	84.9	90.2	93.0	93.4	95.0	95.9	96.5	96.9	96.9	96.9	97.1	97.3	97.3	97.7
GE 500			80.2	84.9	90.2	93.0	93.4	95.1	96.0	96.6	97.1	97.1	97.1	97.3	97.4	97.4	97.9
GE 400			80.2	84.9	90.2	93.0	93.4	95.1	96.0	96.6	97.1	97.1	97.1	97.3	97.4	97.4	97.9
GE 300			80.2	85.0	90.7	93.6	94.0	95.7	96.9	97.6	98.0	98.0	98.0	98.2	98.3	98.3	98.9
GE 200			80.2	85.0	90.7	93.6	94.0	95.7	96.9	97.7	98.2	98.2	98.2	98.3	98.5	98.5	99.7
GE 100			80.2	85.0	90.7	93.6	94.0	95.7	96.9	97.7	98.2	98.2	98.2	98.3	98.5	98.5	99.7
GE 0			80.2	85.0	90.7	93.6	94.0	95.7	96.9	97.7	98.2	98.2	98.2	98.3	98.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 655

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86

MONTH: OCT

HOURS (LST):

ALL

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		32.8	34.5	37.2	38.3	38.5	39.3	39.7	40.0	40.2	40.3	40.5	40.6	40.7	40.8	41.4
GE 20000		39.4	41.5	44.5	45.9	46.1	47.0	47.5	47.8	48.1	48.2	48.4	48.5	48.6	48.7	49.4
GE 18000		39.6	41.7	44.7	46.1	46.3	47.2	47.7	48.0	48.4	48.4	48.6	48.7	48.8	49.0	49.7
GE 16000		39.6	41.7	44.7	46.1	46.3	47.2	47.7	48.0	48.4	48.4	48.6	48.7	48.8	49.0	49.7
GE 14000		39.6	41.8	44.8	46.1	46.3	47.2	47.7	48.1	48.4	48.5	48.7	48.7	48.9	49.0	49.7
GE 12000		40.1	42.2	45.2	46.6	46.8	47.7	48.2	48.6	48.9	49.0	49.2	49.3	49.4	49.5	50.2
GE 10000		42.7	45.0	48.0	49.4	49.7	50.6	51.2	51.6	51.9	52.0	52.2	52.3	52.4	52.6	53.3
GE 9000		43.6	45.9	49.1	50.5	50.7	51.7	52.3	52.7	53.0	53.1	53.3	53.4	53.5	53.6	54.4
GE 8000		48.3	50.9	54.3	55.8	56.1	57.2	57.8	58.2	58.6	58.7	58.9	59.0	59.1	59.2	60.0
GE 7000		49.0	51.6	55.0	56.5	56.8	57.9	58.6	58.9	59.4	59.5	59.7	59.8	59.9	60.0	60.8
GE 6000		49.2	51.8	55.2	56.7	57.0	58.1	58.8	59.1	59.6	59.7	59.9	60.0	60.1	60.2	61.0
GE 5000		50.9	53.5	57.0	58.6	58.9	60.0	60.7	61.1	61.5	61.6	61.8	61.9	62.1	62.2	62.9
GE 4500		52.7	55.4	59.2	60.7	61.1	62.3	62.9	63.3	63.8	63.9	64.1	64.2	64.3	64.5	65.2
GE 4000		56.9	59.9	63.8	65.6	66.0	67.3	67.9	68.4	68.9	69.1	69.3	69.4	69.5	69.6	70.4
GE 3500		59.6	62.8	66.9	68.7	69.1	70.5	71.3	71.8	72.3	72.4	72.7	72.8	72.9	73.1	73.8
GE 3000		63.1	66.9	71.5	73.5	74.0	75.5	76.5	76.9	77.5	77.6	77.8	77.9	78.1	78.3	79.0
GE 2500		65.3	69.4	74.4	76.6	77.1	78.8	79.8	80.4	81.0	81.1	81.3	81.4	81.6	81.7	82.5
GE 2000		68.1	72.4	77.8	80.3	80.9	82.7	83.9	84.6	85.2	85.4	85.6	85.7	85.9	86.0	86.7
GE 1800		68.3	72.7	78.1	80.7	81.3	83.1	84.3	84.9	85.7	85.9	86.1	86.2	86.4	86.5	87.3
GE 1500		70.4	75.1	80.9	83.7	84.3	86.2	87.5	88.2	89.0	89.1	89.4	89.5	89.7	89.8	90.6
GE 1200		71.5	76.3	82.3	85.3	86.0	89.4	90.1	90.8	91.3	91.3	91.2	91.4	91.6	91.7	92.4
GE 1000		72.1	77.0	83.3	86.4	87.1	89.1	90.5	91.3	92.1	92.3	92.5	92.6	92.9	93.0	93.7
GE 900		72.5	77.4	83.8	86.9	87.6	89.6	91.0	91.8	92.7	92.9	93.1	93.3	93.5	93.6	94.3
GE 800		72.8	77.6	84.1	87.2	88.0	90.0	91.5	92.4	93.2	93.5	93.7	93.8	94.0	94.2	94.9
GE 700		72.9	77.9	84.4	87.6	88.4	90.5	92.0	92.9	93.9	94.1	94.3	94.5	94.7	94.8	95.6
GE 600		73.0	78.0	84.6	87.8	88.6	90.8	92.4	93.3	94.3	94.6	94.8	95.0	95.2	95.3	96.1
GE 500		73.1	78.1	84.7	88.0	88.8	91.1	92.9	93.9	95.0	95.3	95.5	95.7	95.9	96.1	96.8
GE 400		73.1	78.2	84.8	88.2	89.0	91.3	93.2	94.2	95.4	95.6	95.9	96.1	96.4	96.5	97.3
GE 300		73.2	78.2	84.9	88.3	89.2	91.5	93.5	94.5	95.7	95.9	96.3	96.5	96.8	97.0	97.9
GE 200		73.2	78.2	84.9	88.3	89.2	91.5	93.5	94.5	95.7	96.0	96.4	96.7	97.2	97.5	98.9
GE 100		73.2	78.2	84.9	88.3	89.2	91.5	93.5	94.6	95.8	96.1	96.4	96.8	97.3	97.7	99.6
GE 0		73.2	78.2	84.9	88.3	89.2	91.5	93.5	94.6	95.8	96.1	96.4	96.8	97.3	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 6085

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77,79,81-86
MONTH: NOV HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		33.1	33.5	34.1	35.8	36.4	37.0	37.7	38.5	38.9	38.9	38.9	39.1	39.1	39.1
GE 20000		35.8	36.2	36.8	38.5	39.1	40.0	40.6	41.4	41.8	41.8	41.8	42.1	42.1	42.1
GE 18000		36.4	36.8	37.4	39.1	39.7	40.6	41.2	42.1	42.5	42.5	42.5	42.7	42.7	42.7
GE 16000		36.4	36.8	37.4	39.1	39.7	40.6	41.2	42.1	42.5	42.5	42.5	42.7	42.7	42.7
GE 14000		36.4	36.8	37.4	39.1	39.7	40.6	41.2	42.1	42.5	42.5	42.5	42.7	42.7	42.7
GE 12000		36.4	36.8	37.4	39.1	39.7	40.6	41.2	42.1	42.5	42.5	42.5	42.7	42.7	42.7
GE 10000		37.0	37.4	38.1	39.7	40.4	41.2	42.3	43.3	43.7	43.7	43.7	43.9	43.9	43.9
GE 9000		37.2	37.9	38.5	40.2	40.8	41.6	42.7	43.7	44.1	44.1	44.1	44.4	44.4	44.4
GE 8000		40.4	41.0	41.6	43.3	43.9	44.8	45.8	46.9	47.3	47.3	47.3	47.5	47.5	47.5
GE 7000		40.6	41.2	42.1	43.7	44.4	45.2	46.2	47.3	47.7	47.7	47.7	47.9	47.9	47.9
GE 6000		40.6	41.2	42.1	43.7	44.4	45.2	46.2	47.3	47.7	47.7	47.7	47.9	47.9	47.9
GE 5000		42.9	43.5	44.8	46.4	47.1	47.9	49.0	50.0	50.4	50.4	50.4	50.6	50.6	50.6
GE 4500		45.8	46.4	47.9	49.6	50.4	51.5	52.5	53.6	54.0	54.0	54.0	54.2	54.2	54.2
GE 4000		50.0	51.0	52.7	54.6	55.4	56.5	57.5	58.8	59.2	59.2	59.2	59.4	59.4	59.4
GE 3500		53.6	55.2	57.1	59.0	59.8	60.9	61.9	63.2	63.6	63.6	63.6	63.8	63.8	63.8
GE 3000		57.7	59.8	61.7	64.2	65.1	66.1	67.2	68.4	69.0	69.0	69.0	69.5	69.7	69.7
GE 2500		60.7	62.8	64.6	67.2	68.2	69.2	70.3	71.5	72.2	72.4	72.4	72.8	73.0	73.0
GE 2000		63.4	65.5	68.0	70.9	72.0	73.2	74.5	75.7	76.6	77.0	77.0	77.4	77.6	77.6
GE 1800		64.4	66.5	69.0	72.0	73.0	74.3	75.7	77.0	77.8	78.2	78.2	78.7	78.9	78.9
GE 1500		66.9	69.2	72.0	75.1	76.2	77.4	78.9	80.1	81.0	81.4	81.4	81.8	82.0	82.0
GE 1200		68.6	70.9	73.8	77.0	78.0	79.3	80.8	82.0	82.8	83.3	83.3	83.7	83.9	83.9
GE 1000		69.5	72.0	74.9	78.0	79.3	80.8	82.2	83.5	84.3	84.7	84.7	85.1	85.4	85.4
GE 900		69.9	72.4	75.5	78.9	80.1	81.6	83.1	84.3	85.1	85.6	85.6	86.0	86.2	86.2
GE 800		70.3	73.0	76.4	79.9	81.2	82.6	84.1	85.4	86.2	86.6	86.6	87.2	87.4	87.4
GE 700		70.7	73.4	77.0	80.5	82.0	83.5	84.9	86.2	87.0	87.4	87.4	87.7	88.3	88.5
GE 600		70.9	74.1	78.0	82.4	83.9	85.4	86.8	88.1	88.9	89.3	89.3	89.5	90.4	90.6
GE 500		70.9	74.3	78.7	83.5	84.9	86.8	88.3	89.5	90.4	90.8	91.6	92.7	92.9	92.9
GE 400		70.9	74.5	79.1	84.1	85.6	87.4	89.3	90.6	91.4	91.8	92.7	93.7	94.8	95.6
GE 300		70.9	74.5	79.3	84.3	86.0	88.3	90.6	91.8	92.7	93.1	93.9	95.0	96.0	96.2
GE 200		70.9	74.5	79.5	84.5	86.2	88.5	91.2	92.7	93.5	93.9	94.8	95.8	96.9	97.1
GE 100		70.9	74.5	79.5	84.5	86.2	88.5	91.2	92.7	93.5	93.9	94.8	95.8	97.1	97.3
GE 0		70.9	74.5	79.5	84.5	86.2	88.5	91.2	92.7	93.5	93.9	94.8	95.8	97.1	97.3

TOTAL NUMBER OF OBSERVATIONS: 478

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86

MONTH: NOV

HOURS(LST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	I		30.6	31.0	32.5	33.5	33.7	34.6	35.0	35.1	36.0	36.1	36.2	36.4	36.4	36.4	37.2
GE 20000	I		33.6	34.0	35.5	36.5	36.8	37.7	38.2	38.3	39.1	39.3	39.4	39.5	39.5	39.5	40.4
GE 18000	I		33.9	34.3	35.8	36.8	37.1	38.0	38.4	38.6	39.4	39.5	39.7	39.8	39.8	39.8	40.6
GE 16000	I		33.9	34.3	35.8	36.8	37.1	38.0	38.4	38.6	39.4	39.5	39.7	39.8	39.8	39.8	40.6
GE 14000	I		33.9	34.3	35.8	36.8	37.1	38.0	38.4	38.6	39.4	39.5	39.7	39.8	39.8	39.8	40.6
GE 12000	I		34.0	34.4	36.0	36.9	37.2	38.2	38.6	38.7	39.5	39.7	39.8	39.9	39.9	39.9	40.8
GE 10000	I		35.0	35.4	36.9	37.9	38.2	39.1	39.7	39.8	40.6	40.8	40.9	41.0	41.0	41.0	41.9
GE 9000	I		35.8	36.2	37.7	38.7	39.0	39.9	40.5	40.6	41.5	41.6	41.7	41.9	41.9	41.9	42.7
GE 8000	I		37.9	38.3	39.8	40.8	41.0	42.0	42.6	42.7	43.5	43.7	43.8	43.9	43.9	43.9	44.8
GE 7000	I		38.2	38.6	40.2	41.2	41.5	42.4	43.0	43.1	43.9	44.1	44.2	44.4	44.4	44.4	45.2
GE 6000	I		38.4	38.8	40.5	41.5	41.7	42.7	43.3	43.4	44.2	44.4	44.5	44.6	44.6	44.6	45.5
GE 5000	I		41.2	41.9	43.5	44.6	44.9	45.9	46.4	46.6	47.4	47.5	47.7	47.8	47.8	47.8	48.6
GE 4500	I		43.9	44.6	46.3	47.8	48.2	49.2	49.7	49.9	50.7	50.8	51.0	51.1	51.1	51.1	51.9
GE 4000	I		49.6	50.3	52.2	53.9	54.4	55.4	56.3	56.5	57.3	57.4	57.6	57.7	57.7	57.7	58.5
GE 3500	I		52.9	53.9	56.1	57.7	58.3	59.2	60.2	60.3	61.2	61.3	61.4	61.6	61.6	61.6	62.4
GE 3000	I		57.4	58.7	61.2	62.8	63.4	64.3	65.7	66.1	67.2	67.4	67.5	67.6	67.8	67.8	68.6
GE 2500	I		60.2	61.6	64.3	66.0	66.5	67.6	69.0	69.7	70.8	71.1	71.2	71.3	71.5	71.5	72.3
GE 2000	I		63.8	65.3	68.5	70.4	70.9	72.0	73.4	74.2	75.3	75.6	75.8	75.9	76.0	76.0	76.9
GE 1800	I		64.2	65.7	68.9	70.9	71.5	72.6	74.0	74.8	75.9	76.2	76.3	76.4	76.6	76.6	77.4
GE 1500	I		67.8	69.4	72.6	74.7	75.2	76.4	77.8	78.7	79.8	80.0	80.2	80.3	80.4	80.4	81.3
GE 1200	I		70.4	72.3	75.6	77.7	78.4	79.6	81.0	82.0	83.1	83.3	83.5	83.6	83.7	83.7	84.6
GE 1000	I		70.9	73.3	76.7	78.8	79.5	80.7	82.4	83.3	84.6	85.1	85.5	85.7	85.8	85.8	86.6
GE 900	I		72.3	74.8	78.4	80.4	81.1	82.5	84.3	85.3	86.5	87.1	87.5	87.6	87.7	87.7	88.6
GE 800	I		72.7	75.5	79.5	81.8	82.5	83.9	85.7	86.6	87.9	88.4	88.8	89.0	89.1	89.1	89.9
GE 700	I		72.9	75.8	79.8	82.1	82.8	84.6	86.4	87.3	88.6	89.3	89.8	89.9	90.1	90.1	90.9
GE 600	I		73.0	75.9	79.9	82.4	83.3	85.3	87.1	88.0	89.3	89.9	90.8	90.9	91.0	91.0	91.9
GE 500	I		73.3	76.2	80.3	82.8	83.7	86.0	87.7	88.7	89.9	90.8	91.6	91.7	92.0	92.0	92.8
GE 400	I		73.3	76.3	80.6	83.3	84.4	86.8	88.7	90.1	91.3	92.1	93.0	93.1	93.5	93.5	94.5
GE 300	I		73.3	76.3	80.7	83.6	84.8	87.5	89.5	90.9	92.1	93.0	93.8	93.9	94.6	94.6	96.7
GE 200	I		73.3	76.3	80.9	83.9	85.1	87.7	89.9	91.3	93.1	93.9	94.8	94.9	95.7	95.7	98.2
GE 100	I		73.3	76.3	80.9	83.9	85.1	87.7	89.9	91.3	93.3	94.1	95.2	95.3	96.1	96.6	99.6
GE	CI		73.3	76.3	80.9	83.9	85.1	87.7	89.9	91.3	93.3	94.1	95.2	95.3	96.1	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 726

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		26.0	27.0	28.3	28.6	29.0	29.4	30.6	30.9	31.7	32.1	32.1	32.1	32.1	32.1	33.4
GE 20000		29.6	30.9	32.7	33.4	33.8	34.3	35.7	36.0	36.9	37.3	37.3	37.3	37.3	37.3	38.6
GE 18000		29.7	31.0	32.9	33.5	33.9	34.4	35.8	36.1	37.0	37.4	37.4	37.4	37.4	37.4	38.7
GE 16000		29.7	31.0	32.9	33.5	33.9	34.4	35.8	36.1	37.0	37.4	37.4	37.4	37.4	37.4	38.7
GE 14000		29.7	31.0	32.9	33.5	33.9	34.4	35.8	36.1	37.0	37.4	37.4	37.4	37.4	37.4	38.7
GE 12000		30.0	31.4	33.2	33.9	34.3	34.8	36.2	36.5	37.4	37.8	37.8	37.8	37.8	37.8	39.1
GE 10000		32.6	34.2	36.0	36.6	37.0	37.5	39.0	39.2	40.1	40.5	40.5	40.5	40.5	40.5	41.8
GE 9000		33.2	34.9	36.8	37.4	37.8	38.3	39.9	40.1	41.2	41.6	41.6	41.6	41.6	41.6	42.9
GE 8000		37.0	38.8	40.8	41.4	41.8	42.3	43.9	44.3	45.3	45.7	45.7	45.7	45.7	45.7	47.0
GE 7000		37.7	39.6	41.6	42.2	42.6	43.1	44.7	45.1	46.1	46.5	46.5	46.5	46.5	46.5	47.8
GE 6000		37.7	39.6	41.6	42.2	42.6	43.1	44.7	45.1	46.1	46.5	46.5	46.5	46.5	46.5	47.8
GE 5000		39.5	41.6	43.6	44.3	44.7	45.2	46.8	47.1	48.2	48.6	48.6	48.6	48.6	48.6	49.9
GE 4500		41.7	44.0	46.4	47.3	47.7	48.3	49.9	50.3	51.3	51.7	51.7	51.7	51.7	51.7	53.0
GE 4000		48.3	50.6	53.0	53.9	54.3	55.1	56.9	57.3	58.3	58.7	58.7	58.7	58.7	58.7	60.0
GE 3500		51.4	54.3	56.8	57.8	58.2	59.0	60.9	61.3	62.3	62.7	62.7	62.7	62.7	62.7	64.0
GE 3000		55.3	58.4	61.3	62.3	62.7	63.5	65.5	66.0	67.4	67.9	67.9	67.9	67.9	67.9	69.2
GE 2500		57.9	61.6	64.5	65.6	66.0	66.8	68.7	69.4	70.8	71.3	71.3	71.3	71.3	71.3	72.6
GE 2000		61.0	65.1	69.0	70.1	70.5	71.6	73.5	74.2	75.6	76.2	76.2	76.2	76.2	76.2	77.5
GE 1800		61.4	65.5	69.4	70.8	71.2	72.3	74.3	74.9	76.4	77.0	77.0	77.0	77.0	77.0	78.3
GE 1500		63.5	67.7	71.8	73.2	73.8	75.1	77.3	77.9	79.4	80.0	80.0	80.0	80.0	80.0	81.3
GE 1200		65.5	69.6	73.8	75.3	75.8	77.1	79.4	80.4	81.8	82.5	82.5	82.5	82.5	82.5	83.8
GE 1000		66.6	71.0	75.3	76.9	77.4	78.8	81.2	82.2	83.9	84.8	84.9	84.9	84.9	84.9	86.2
GE 900		67.3	71.7	76.1	77.8	78.3	79.9	82.2	83.2	84.9	85.8	86.0	86.0	86.0	86.0	87.3
GE 800		67.7	72.6	77.0	79.0	79.5	81.0	83.4	84.4	86.1	87.0	87.1	87.1	87.1	87.1	88.4
GE 700		67.8	72.9	77.3	79.2	79.9	81.8	84.3	85.3	87.1	88.1	88.2	88.2	88.2	88.2	89.5
GE 600		67.9	73.1	77.5	79.5	80.3	82.2	84.9	86.0	87.8	88.7	89.5	89.6	89.6	89.6	90.9
GE 500		68.2	73.6	78.2	80.1	80.9	82.9	86.1	87.1	89.0	89.9	90.6	90.8	90.8	90.8	92.2
GE 400		68.2	73.6	78.3	80.3	81.0	83.2	86.5	87.7	89.5	90.4	91.2	91.3	91.3	91.3	92.9
GE 300		68.2	73.6	78.3	80.5	81.3	83.5	86.9	88.2	90.3	91.3	92.1	92.2	92.3	92.3	93.7
GE 200		68.2	73.6	78.3	80.5	81.4	83.8	87.3	88.6	90.8	91.9	92.7	93.0	93.2	93.4	97.3
GE 100		68.2	73.6	78.3	80.5	81.4	83.8	87.3	88.6	90.8	92.1	92.9	93.2	93.9	94.3	99.7
GE 0		68.2	73.6	78.3	80.5	81.4	83.8	87.3	88.6	90.8	92.1	92.9	93.2	93.9	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 770

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: Q35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86

MONTH: NOV

HOURS(LST): 0900-1100

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		25.1	25.3	27.6	28.2	28.2	28.9	29.1	29.2	29.6	29.6	29.6	29.6	29.9	30.1	31.1
GE 20000		32.2	32.7	35.9	36.8	37.0	37.7	38.0	38.2	38.6	38.7	38.9	38.9	39.2	39.6	40.9
GE 18000		32.3	32.8	36.1	37.0	37.1	37.8	38.1	38.4	38.7	38.9	39.0	39.0	39.4	39.7	41.0
GE 16000		32.3	32.8	36.1	37.0	37.1	37.8	38.1	38.4	38.7	38.9	39.0	39.0	39.4	39.7	41.0
GE 14000		32.7	33.2	36.5	37.3	37.5	38.2	38.5	38.7	39.1	39.2	39.4	39.4	39.7	40.1	41.4
GE 12000		33.2	33.8	37.1	38.2	38.4	39.1	39.4	39.6	40.0	40.1	40.3	40.3	40.6	41.0	42.3
GE 10000		36.2	37.2	40.6	41.8	41.9	42.7	42.9	43.2	43.5	43.7	43.8	43.8	44.2	44.6	45.8
GE 9000		37.5	38.5	41.9	43.0	43.2	43.9	44.2	44.4	44.8	44.9	45.1	45.1	45.4	45.8	47.1
GE 8000		41.8	42.9	46.6	47.7	47.8	48.7	49.2	49.5	49.9	50.0	50.1	50.1	50.5	50.9	52.3
GE 7000		43.5	44.7	48.4	49.5	49.6	50.5	51.0	51.3	51.6	51.8	51.9	51.9	52.3	52.7	54.1
GE 6000		43.7	44.8	48.5	49.6	49.7	50.6	51.1	51.4	51.8	51.9	52.0	52.0	52.4	52.8	54.2
GE 5000		44.9	46.3	50.0	51.1	51.4	52.3	52.9	53.2	53.5	53.7	53.8	53.8	54.2	54.6	55.9
GE 4500		47.1	48.6	52.5	53.9	54.2	55.1	55.8	56.1	56.5	56.6	56.7	56.7	57.1	57.5	58.9
GE 4000		51.0	52.5	56.6	58.1	58.4	59.2	60.4	61.0	61.4	61.5	61.6	61.6	62.0	62.4	63.8
GE 3500		54.4	55.9	60.3	62.2	62.4	63.3	64.6	65.2	65.6	65.7	65.8	65.8	66.2	66.6	68.0
GE 3000		59.1	60.6	64.9	66.8	67.1	68.1	69.4	70.0	70.5	70.6	70.8	70.8	71.1	71.5	72.9
GE 2500		61.4	63.3	68.0	70.0	70.3	71.3	72.5	73.2	73.7	73.9	74.1	74.1	74.4	74.9	76.3
GE 2000		63.2	65.1	70.3	72.7	72.9	74.1	75.3	75.9	76.5	76.7	76.8	76.8	77.2	77.7	79.1
GE 1800		63.5	65.4	70.6	73.2	73.5	74.7	75.9	76.6	77.1	77.3	77.5	77.5	77.8	78.4	79.7
GE 1500		65.9	68.1	73.4	76.2	76.8	78.1	79.4	80.0	80.5	80.8	80.9	80.9	81.3	81.8	83.2
GE 1200		66.8	69.2	74.8	77.8	78.9	80.3	81.9	82.7	83.2	83.4	83.5	83.5	83.9	84.4	85.8
GE 1000		67.6	70.1	75.9	79.1	80.3	81.6	83.3	84.1	85.1	85.3	85.6	85.6	85.9	86.5	87.8
GE 900		68.1	70.9	76.8	80.1	81.3	82.8	84.4	85.3	86.3	86.6	86.8	86.8	87.2	87.7	89.1
GE 800		68.6	71.4	77.3	80.6	81.8	83.4	85.1	85.9	87.0	87.2	87.5	87.5	87.8	88.4	89.7
GE 700		68.9	71.8	77.7	81.0	82.2	84.1	85.8	86.7	87.7	88.0	88.2	88.2	88.7	89.2	90.6
GE 600		68.9	71.9	77.8	81.3	82.5	84.4	86.3	87.2	88.4	88.9	89.1	89.1	89.6	90.1	91.5
GE 500		68.9	71.9	78.0	81.4	82.8	84.7	86.6	87.5	89.1	89.6	90.0	90.0	90.5	91.0	92.4
GE 400		68.9	71.9	78.0	81.4	82.9	84.9	87.0	87.8	89.7	90.4	90.8	90.8	91.3	91.9	93.3
GE 300		68.9	71.9	78.0	81.4	82.9	84.9	87.3	88.9	90.9	91.8	92.4	92.4	93.0	93.8	96.7
GE 200		68.9	71.9	78.0	81.4	82.9	84.9	87.3	89.0	91.3	92.2	93.3	93.4	94.3	95.2	98.6
GE 100		68.9	71.9	78.0	81.4	82.9	84.9	87.3	89.0	91.3	92.2	93.3	93.4	94.6	95.8	100.0
GE 0		68.9	71.9	78.0	81.4	82.9	84.9	87.3	89.0	91.3	92.2	93.3	93.4	94.6	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 790

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(LST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	25.9	26.5	27.7	28.0	28.1	28.3	28.6	28.6	28.7	28.7	28.7	28.7	28.8	28.8	29.0	
GE 20000	1	35.3	36.4	37.9	38.1	38.2	38.5	38.7	39.0	39.1	39.2	39.2	39.3	39.4	39.4	39.8	
GE 18000	1	36.1	37.2	38.6	38.8	39.0	39.2	39.4	39.7	39.8	39.9	39.9	40.0	40.2	40.2	40.5	
GE 16000	1	36.1	37.2	38.6	38.8	39.0	39.2	39.4	39.7	39.8	39.9	39.9	40.0	40.2	40.2	40.5	
GE 14000	1	36.4	37.5	39.0	39.2	39.3	39.6	39.8	40.0	40.2	40.3	40.3	40.4	40.5	40.5	40.9	
GE 12000	1	37.0	38.1	39.6	39.8	39.9	40.2	40.4	40.7	40.8	40.9	40.9	41.0	41.1	41.1	41.5	
GE 10000	1	39.9	41.1	42.7	42.9	43.1	43.3	43.5	43.8	43.9	44.0	44.0	44.1	44.3	44.3	44.6	
GE 9000	1	40.7	42.1	43.7	43.9	44.0	44.3	44.5	44.8	44.9	45.0	45.0	45.1	45.2	45.2	45.6	
GE 8000	1	46.2	47.6	49.3	49.6	49.8	50.3	50.5	50.8	50.9	51.0	51.0	51.1	51.3	51.3	51.6	
GE 7000	1	47.5	49.1	51.0	51.3	51.5	52.1	52.4	52.6	52.7	52.8	52.8	53.0	53.1	53.1	53.4	
GE 6000	1	47.6	49.3	51.3	51.5	51.7	52.4	52.6	52.8	53.0	53.1	53.1	53.2	53.3	53.3	53.7	
GE 5000	1	48.6	50.5	52.6	52.8	53.1	53.7	53.9	54.2	54.3	54.4	54.4	54.5	54.6	54.6	55.0	
GE 4500	1	50.4	52.4	54.4	54.6	54.9	55.9	56.3	56.6	56.7	56.8	56.8	56.9	57.1	57.1	57.4	
GE 4000	1	55.0	57.1	59.2	59.6	60.0	61.2	61.9	62.1	62.2	62.4	62.4	62.5	62.6	62.6	63.0	
GE 3500	1	57.9	60.2	62.5	62.8	63.2	64.4	65.1	65.4	65.5	65.6	65.6	65.7	65.9	65.9	66.2	
GE 3000	1	62.8	65.7	68.6	69.0	69.5	70.7	71.7	71.9	72.1	72.3	72.3	72.4	72.5	72.5	72.9	
GE 2500	1	65.5	68.4	71.3	71.7	72.3	73.5	74.5	74.9	75.2	75.3	75.3	75.4	75.5	75.5	75.9	
GE 2000	1	67.8	70.9	74.7	75.4	76.1	77.4	78.5	78.9	79.1	79.3	79.3	79.4	79.5	79.5	79.9	
GE 1800	1	67.8	71.0	74.8	75.6	76.4	77.7	78.8	79.1	79.4	79.5	79.5	79.6	79.7	79.7	80.1	
GE 1500	1	71.4	74.8	78.6	79.9	80.6	82.1	83.6	84.1	84.4	84.6	84.6	84.7	84.8	84.8	85.2	
GE 1200	1	73.0	76.6	81.1	82.4	83.1	84.7	86.5	87.0	87.6	87.7	87.7	87.8	87.9	87.9	88.3	
GE 1000	1	73.7	77.3	81.8	83.1	83.8	85.4	87.2	87.7	88.5	88.7	88.7	88.8	88.9	88.9	89.3	
GE 900	1	74.8	78.5	83.0	84.3	85.0	86.9	88.7	89.3	90.2	90.5	90.5	90.6	90.7	90.7	91.1	
GE 800	1	74.9	78.6	83.1	84.4	85.3	87.2	89.1	89.7	90.8	91.1	91.1	91.2	91.3	91.3	91.7	
GE 700	1	75.2	79.0	83.7	85.6	86.9	88.9	91.0	91.6	92.8	93.0	93.0	93.1	93.2	93.2	93.6	
GE 600	1	75.2	79.1	83.8	85.8	87.0	89.0	91.2	91.8	93.1	93.4	93.4	93.5	93.6	93.6	94.0	
GE 500	1	75.2	79.1	83.8	85.8	87.0	89.3	91.8	92.4	94.2	94.6	94.6	94.7	94.8	94.8	95.2	
GE 400	1	75.2	79.1	83.8	85.8	87.0	89.4	91.9	92.5	94.6	94.9	95.2	95.3	95.4	95.4	95.8	
GE 300	1	75.2	79.1	83.8	85.8	87.0	89.4	91.9	92.5	94.9	95.5	96.3	96.5	96.6	96.6	97.6	
GE 200	1	75.2	79.1	83.8	85.8	87.0	89.4	91.9	92.5	95.2	96.0	96.7	97.3	97.5	97.7	98.9	
GE 100	1	75.2	79.1	83.8	85.8	87.0	89.4	91.9	92.5	95.2	96.0	96.7	97.3	97.5	97.7	99.9	
GE 0	1	75.2	79.1	83.8	85.8	87.0	89.4	91.9	92.5	95.2	96.0	96.7	97.3	97.5	97.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	26.3	26.9	27.6	28.4	28.4	28.6	28.7	28.8	29.1	29.1	29.2	29.2	29.2	29.2	29.2
GE 20000	32.1	33.2	34.2	35.0	35.0	35.4	35.5	35.9	36.2	36.2	36.4	36.4	36.4	36.4	36.4
GE 18000	32.1	33.2	34.2	35.0	35.0	35.4	35.5	35.9	36.2	36.2	36.4	36.4	36.4	36.4	36.4
GE 16000	32.1	33.2	34.2	35.0	35.0	35.4	35.5	35.9	36.2	36.2	36.4	36.4	36.4	36.4	36.4
GE 14000	32.2	33.3	34.3	35.2	35.2	35.5	35.6	36.0	36.4	36.4	36.5	36.5	36.5	36.5	36.5
GE 12000	33.2	34.3	35.3	36.1	36.1	36.5	36.6	37.0	37.3	37.3	37.5	37.5	37.5	37.5	37.5
GE 10000	36.7	37.9	39.2	40.0	40.0	40.5	40.6	41.1	41.5	41.5	41.6	41.6	41.6	41.6	41.6
GE 9000	37.0	38.4	39.9	40.8	40.8	41.3	41.5	41.9	42.3	42.3	42.4	42.4	42.4	42.4	42.4
GE 8000	41.9	44.0	46.2	47.8	47.9	48.5	48.6	49.1	49.5	49.5	49.6	49.6	49.6	49.6	49.6
GE 7000	43.2	45.2	47.5	49.1	49.2	49.8	49.9	50.4	50.8	50.8	50.9	50.9	50.9	50.9	50.9
GE 6000	43.4	45.5	47.8	49.3	49.5	50.1	50.2	50.7	51.0	51.0	51.2	51.2	51.2	51.2	51.2
GE 5000	44.7	46.9	49.3	50.9	51.0	51.8	51.9	52.4	52.7	52.7	52.8	52.8	52.8	52.8	52.8
GE 4500	46.8	49.3	52.0	53.8	53.9	54.7	55.0	55.5	55.9	55.9	56.0	56.0	56.0	56.0	56.0
GE 4000	51.6	54.4	57.2	59.2	59.3	60.0	60.5	61.0	61.3	61.3	61.5	61.5	61.5	61.5	61.5
GE 3500	55.5	58.9	62.3	64.5	64.7	65.6	66.2	66.8	67.3	67.3	67.4	67.4	67.4	67.4	67.4
GE 3000	61.9	65.7	69.7	71.9	72.2	73.2	73.8	74.5	75.0	75.0	75.2	75.2	75.2	75.2	75.2
GE 2500	63.2	67.3	71.5	73.9	74.3	75.3	75.9	76.6	77.1	77.1	77.2	77.2	77.2	77.2	77.2
GE 2000	66.8	71.2	75.9	78.3	78.8	80.0	80.8	81.7	82.2	82.2	82.3	82.3	82.3	82.3	82.3
GE 1800	67.3	71.6	76.4	78.8	79.3	80.6	81.6	82.4	82.9	82.9	83.0	83.0	83.0	83.0	83.0
GE 1500	69.8	74.2	79.2	81.8	82.3	83.6	84.6	85.5	85.9	85.9	86.3	86.3	86.3	86.3	86.3
GE 1200	70.9	75.6	81.1	84.0	84.6	85.9	86.9	88.1	88.6	88.6	89.0	89.0	89.0	89.0	89.0
GE 1000	71.6	76.5	82.3	85.6	86.3	87.9	89.0	90.2	90.7	90.7	91.2	91.3	91.4	91.4	91.4
GE 900	71.9	76.8	82.9	86.2	87.0	88.6	89.8	91.0	91.5	91.5	92.0	92.1	92.2	92.2	92.2
GE 800	71.9	77.0	83.0	86.3	87.2	88.7	90.1	91.3	91.9	91.9	92.4	92.5	92.6	92.6	92.6
GE 700	72.0	77.1	83.2	86.4	87.4	89.1	90.7	92.0	92.6	92.7	93.2	93.3	93.5	93.5	93.5
GE 600	72.1	77.3	83.4	86.7	87.6	89.3	91.2	92.5	93.1	93.2	93.8	93.9	94.1	94.1	94.1
GE 500	72.2	77.5	83.6	86.9	87.9	89.6	91.4	92.8	93.6	93.7	94.3	94.5	94.7	94.7	94.7
GE 400	72.2	77.5	83.6	86.9	87.9	89.7	91.8	93.2	94.4	95.3	95.9	96.2	96.4	96.4	96.4
GE 300	72.4	77.6	83.8	87.0	88.0	89.8	91.9	93.3	94.9	96.0	96.8	97.8	97.9	97.9	98.1
GE 200	72.4	77.6	83.8	87.0	88.0	89.8	91.9	93.3	94.9	96.1	97.1	98.4	98.5	98.7	98.8
GE 100	72.4	77.6	83.8	87.0	88.0	89.8	91.9	93.3	94.9	96.1	97.1	98.4	98.5	98.8	99.8
GE 0	72.4	77.6	83.8	87.0	88.0	89.8	91.9	93.3	94.9	96.1	97.1	98.4	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86

MONTH: NOV

HOURS(IST): 1807-2400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		31.9	32.9	35.4	36.1	36.5	36.7	36.8	36.8	37.1	37.1	37.1	37.1	37.2	37.2
GE 20000		35.1	36.1	39.3	40.3	40.7	41.2	41.4	41.4	41.7	41.7	41.7	41.7	41.9	41.9
GE 18000		35.1	36.1	39.3	40.3	40.7	41.2	41.4	41.4	41.7	41.7	41.7	41.7	41.9	41.9
GE 16000		35.1	36.1	39.3	40.3	40.7	41.2	41.4	41.4	41.7	41.7	41.7	41.7	41.9	41.9
GE 14000		35.1	36.1	39.5	40.4	40.9	41.3	41.6	41.6	41.9	41.9	41.9	41.9	42.0	42.0
GE 12000		35.3	36.2	39.6	40.6	41.2	41.6	41.9	41.9	42.1	42.1	42.1	42.1	42.3	42.3
GE 10000		37.5	38.9	42.3	43.3	43.8	44.2	44.5	44.8	45.1	45.1	45.1	45.1	45.2	45.2
GE 9000		37.9	39.3	43.1	44.1	44.7	45.1	45.4	45.6	45.9	45.9	45.9	45.9	46.1	46.1
GE 8000		40.0	42.0	46.5	47.8	48.3	48.7	49.0	49.3	49.6	49.6	49.6	49.6	49.7	49.7
GE 7000		40.9	42.8	47.3	48.6	49.2	49.6	49.9	50.1	50.4	50.4	50.4	50.4	50.6	50.6
GE 6000		41.0	43.0	47.5	48.7	49.3	49.7	50.0	50.3	50.6	50.6	50.6	50.6	50.7	50.8
GE 5000		42.1	44.4	48.9	50.4	51.0	51.4	51.7	52.0	52.2	52.2	52.2	52.2	52.4	52.4
GE 4500		44.7	47.1	51.7	53.2	53.9	54.4	54.6	54.9	55.2	55.2	55.2	55.2	55.3	55.3
GE 4000		51.3	53.7	58.3	59.8	60.5	61.1	61.5	61.8	62.1	62.1	62.1	62.1	62.2	62.2
GE 3500		56.6	59.1	64.7	66.3	67.0	67.6	68.0	68.3	68.7	68.7	68.7	68.7	68.8	69.0
GE 3000		65.3	67.8	73.9	75.4	76.1	76.7	77.4	77.7	78.5	78.5	78.5	78.5	78.7	78.8
GE 2500		67.7	70.8	77.0	78.5	79.2	79.8	80.8	81.0	81.9	81.9	81.9	81.9	82.0	82.2
GE 2000		70.2	73.3	80.2	82.0	83.0	83.6	84.6	84.8	85.7	85.7	85.7	85.8	86.0	86.1
GE 1800		70.2	73.3	80.2	82.0	83.0	83.6	85.0	85.3	86.1	86.1	86.1	86.2	86.4	86.5
GE 1500		72.2	75.3	82.6	84.4	85.5	86.2	87.6	87.9	88.8	88.8	88.8	88.9	89.0	89.2
GE 1200		73.7	77.1	85.0	86.9	88.1	89.0	90.4	90.7	91.6	91.6	91.7	91.9	92.0	92.1
GE 1000		74.2	77.5	85.7	87.8	88.9	89.9	91.3	91.6	92.4	93.0	93.1	93.4	93.5	93.7
GE 900		74.3	77.7	85.8	87.9	89.0	90.0	91.4	91.7	92.6	93.1	93.3	93.5	93.7	93.8
GE 800		74.3	77.9	86.1	88.2	89.3	90.3	91.7	92.0	92.8	93.5	93.7	94.0	94.1	94.2
GE 700		74.3	78.2	86.4	88.5	89.6	90.6	92.0	92.6	93.4	94.1	94.2	94.5	94.7	94.8
GE 600		74.3	78.2	86.4	88.5	89.6	90.6	92.1	92.7	93.5	94.2	94.4	94.7	94.8	94.9
GE 500		74.3	78.2	86.4	88.5	89.6	90.6	92.1	92.7	93.5	94.2	94.4	94.7	94.8	94.9
GE 400		74.3	78.2	86.4	88.6	89.7	90.7	92.3	93.0	94.0	94.7	94.8	95.1	95.2	95.4
GE 300		74.3	78.2	86.4	88.6	89.7	90.7	92.6	93.8	95.2	95.9	96.2	96.9	97.1	97.2
GE 200		74.3	78.2	86.4	88.6	89.7	90.7	92.7	94.1	95.5	96.2	96.6	97.3	98.0	98.5
GE 100		74.3	78.2	86.4	88.6	89.7	90.7	92.7	94.1	95.5	96.3	96.8	97.6	98.5	98.9
GE 0		74.3	78.2	86.4	88.6	89.7	90.7	92.7	94.1	95.5	96.3	96.8	97.6	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 712

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS/151: 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		33.3	33.6	36.5	37.5	38.1	38.4	38.8	38.8	39.6	39.7	39.7	39.7	39.7	40.1	40.3
GE 20000		37.4	37.7	41.0	42.2	42.9	43.5	44.1	44.2	45.0	45.1	45.1	45.1	45.1	45.5	45.7
GE 18000		37.4	37.7	41.0	42.2	42.9	43.5	44.1	44.2	45.0	45.1	45.1	45.1	45.1	45.5	45.7
GE 16000		37.4	37.7	41.0	42.2	42.9	43.5	44.1	44.2	45.0	45.1	45.1	45.1	45.1	45.5	45.7
GE 14000		37.4	37.7	41.0	42.2	42.9	43.5	44.1	44.2	45.0	45.1	45.1	45.1	45.1	45.5	45.7
GE 12000		37.4	37.7	41.2	42.3	43.2	43.8	44.4	44.5	45.3	45.4	45.4	45.4	45.4	45.8	46.0
GE 10000		39.1	39.4	42.9	44.1	45.0	45.5	46.1	46.6	47.3	47.4	47.4	47.4	47.4	47.9	48.0
GE 9000		39.9	40.1	43.6	44.8	45.7	46.3	46.9	47.3	48.0	48.2	48.2	48.2	48.2	48.6	48.8
GE 8000		43.4	43.9	47.9	49.3	50.2	50.9	51.5	52.0	52.7	52.8	52.8	52.8	52.8	53.3	53.4
GE 7000		44.1	44.7	48.6	50.1	50.9	51.7	52.3	52.7	53.6	53.7	53.7	53.7	53.7	54.2	54.3
GE 6000		44.4	45.0	48.9	50.4	51.2	52.0	52.6	53.0	53.9	54.0	54.0	54.0	54.0	54.5	54.6
GE 5000		45.8	46.6	50.7	52.1	53.0	53.7	54.3	54.7	55.6	55.8	55.8	55.8	55.8	56.2	56.4
GE 4500		48.9	49.6	53.7	55.2	56.1	56.8	57.4	57.8	58.7	58.8	58.8	58.8	58.8	59.3	59.4
GE 4000		54.6	55.3	59.6	61.0	61.9	62.9	63.5	63.9	64.8	65.0	65.0	65.0	65.0	65.4	65.8
GE 3500		57.8	59.1	63.6	65.1	66.1	67.2	68.0	68.6	69.5	69.6	69.6	69.6	69.6	70.1	70.7
GE 3000		60.9	62.8	67.3	68.9	70.2	71.2	72.4	73.0	73.9	74.0	74.0	74.2	74.2	74.6	75.2
GE 2500		65.4	67.6	72.1	73.9	75.2	76.2	77.4	78.0	78.8	79.0	79.1	79.4	79.4	79.9	80.4
GE 2000		68.8	70.9	75.8	77.5	78.8	80.1	81.5	82.0	82.9	83.1	83.2	83.5	83.5	84.2	84.8
GE 1800		68.9	71.1	75.9	77.7	79.0	80.4	81.9	82.5	83.4	83.5	83.6	83.9	83.9	84.7	85.3
GE 1500		70.4	72.8	78.8	80.7	82.0	83.8	85.3	85.8	86.7	86.9	87.0	87.3	87.3	88.0	88.6
GE 1200		72.1	74.6	80.6	82.5	83.8	85.5	87.2	87.7	88.6	88.8	88.9	89.2	89.2	89.9	90.5
GE 1000		72.4	74.9	80.9	82.9	84.4	86.1	87.9	88.8	89.6	89.8	89.9	90.2	90.2	90.9	91.5
GE 900		73.0	75.5	81.5	83.5	85.0	86.7	88.6	89.5	90.4	90.5	90.7	90.9	90.9	91.7	92.3
GE 800		73.3	75.9	81.9	84.2	85.7	87.4	89.3	90.2	91.1	91.4	91.7	92.0	92.0	92.7	93.4
GE 700		73.9	76.6	82.8	85.1	86.6	88.6	90.5	91.4	92.3	92.6	93.0	93.3	93.3	94.0	94.7
GE 600		73.9	76.6	83.1	85.4	86.9	88.9	90.8	91.7	92.6	92.8	93.3	93.6	93.6	94.3	95.0
GE 500		73.9	76.6	83.2	85.7	87.2	89.2	91.1	92.0	92.8	93.3	93.9	94.2	94.5	95.2	96.1
GE 400		73.9	76.6	83.4	86.1	87.6	89.4	91.8	92.7	93.6	94.0	94.6	94.9	95.5	96.2	97.1
GE 300		73.9	76.6	83.4	86.1	87.6	89.8	92.1	93.0	93.9	94.5	95.2	95.5	96.1	96.8	98.1
GE 200		73.9	76.6	83.4	86.1	87.6	89.8	92.1	93.0	93.9	94.5	95.5	95.8	96.6	97.4	99.0
GE 100		73.9	76.6	83.4	86.1	87.6	89.8	92.1	93.0	93.9	94.5	95.5	95.9	96.9	97.7	100.0
GE 0		73.9	76.6	83.4	86.1	87.6	89.8	92.1	93.0	93.9	94.5	95.5	95.9	96.9	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 685

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(IST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		28.6	29.2	30.9	31.6	31.9	32.3	32.7	32.9	33.3	33.4	33.4	33.5	33.6	33.6	34.1	
GE 20000		33.7	34.5	36.6	37.5	37.8	38.3	38.8	39.1	39.6	39.7	39.7	39.8	39.9	40.0	40.6	
GE 18000		33.9	34.7	36.8	37.7	38.0	38.6	39.0	39.3	39.8	39.9	40.0	40.0	40.1	40.2	40.8	
GE 16000		33.9	34.7	36.8	37.7	38.0	38.6	39.0	39.3	39.8	39.9	40.0	40.0	40.1	40.2	40.8	
GE 14000		34.1	34.9	36.9	37.8	38.1	38.7	39.2	39.4	39.9	40.1	40.1	40.2	40.2	40.3	40.9	
GE 12000		34.4	35.3	37.4	38.3	38.6	39.2	39.7	39.9	40.4	40.5	40.6	40.6	40.7	40.8	41.4	
GE 10000		36.7	37.7	39.9	40.8	41.2	41.7	42.3	42.6	43.1	43.3	43.3	43.4	43.4	43.5	44.1	
GE 9000		37.4	38.5	40.7	41.7	42.0	42.6	43.1	43.5	44.0	44.1	44.2	44.2	44.3	44.4	45.0	
GE 8000		41.2	42.5	45.0	46.1	46.5	47.2	47.8	48.1	48.7	48.8	48.8	48.9	49.0	49.1	49.6	
GE 7000		42.1	43.4	46.1	47.2	47.5	48.2	48.8	49.2	49.7	49.9	49.9	50.0	50.0	50.1	50.7	
GE 6000		42.3	43.6	46.3	47.3	47.7	48.4	49.0	49.4	49.9	50.0	50.1	50.1	50.2	50.3	50.9	
GE 5000		43.8	45.4	48.1	49.3	49.7	50.4	51.0	51.3	51.9	52.0	52.1	52.1	52.2	52.3	52.9	
GE 4500		46.2	47.9	50.8	52.1	52.5	53.3	54.0	54.4	54.9	55.0	55.1	55.1	55.2	55.3	55.9	
GE 4000		51.5	53.3	56.3	57.6	58.1	59.0	59.9	60.4	60.9	61.0	61.1	61.1	61.2	61.3	61.9	
GE 3500		55.1	57.2	60.6	62.0	62.6	63.5	64.5	64.9	65.5	65.6	65.7	65.7	65.8	65.9	66.6	
GE 3000		60.2	62.6	66.3	67.8	68.4	69.4	70.5	71.1	71.8	72.0	72.0	72.1	72.2	72.3	73.0	
GE 2500		62.8	65.5	69.4	71.0	71.6	72.6	73.7	74.4	75.1	75.3	75.4	75.5	75.6	75.7	76.4	
GE 2000		65.7	68.5	73.0	74.8	75.5	76.6	77.9	78.5	79.3	79.5	79.6	79.7	79.8	80.0	80.6	
GE 1800		66.0	68.9	73.3	75.2	75.9	77.1	78.5	79.1	79.9	80.1	80.2	80.3	80.4	80.6	81.2	
GE 1500		68.5	71.6	76.3	78.4	79.2	80.5	81.9	82.6	83.4	83.6	83.7	83.8	83.9	84.1	84.7	
GE 1200		70.2	73.4	78.4	80.6	81.5	82.8	84.4	85.2	86.0	86.2	86.4	86.5	86.6	86.8	87.4	
GE 1000		70.9	74.2	79.4	81.7	82.6	84.0	85.7	86.5	87.5	87.9	88.1	88.2	88.4	88.5	89.2	
GE 900		71.5	74.9	80.2	82.6	83.5	85.0	86.7	87.6	88.6	89.0	89.2	89.3	89.5	89.6	90.3	
GE 800		71.7	75.4	80.7	83.2	84.2	85.7	87.4	88.3	89.4	89.8	90.0	90.2	90.3	90.5	91.1	
GE 700		72.0	75.7	81.1	83.7	84.8	86.5	88.3	89.3	90.3	90.8	91.1	91.2	91.4	91.6	92.2	
GE 600		72.0	75.9	81.4	84.0	85.2	86.9	88.9	89.8	90.9	91.4	91.8	92.0	92.2	92.3	93.0	
GE 500		72.1	76.0	81.6	84.4	85.5	87.4	89.4	90.4	91.6	92.2	92.7	92.9	93.1	93.3	94.0	
GE 400		72.1	76.0	81.7	84.6	85.7	87.7	89.9	91.0	92.4	93.0	93.6	93.8	94.1	94.3	95.1	
GE 300		72.1	76.1	81.8	84.7	85.9	87.9	90.3	91.5	93.1	93.9	94.6	95.0	95.4	95.7	97.2	
GE 200		72.1	76.1	81.8	84.7	86.0	88.0	90.5	91.7	93.5	94.4	95.2	95.7	96.3	96.6	98.5	
GE 100		72.1	76.1	81.8	84.7	86.0	88.0	90.5	91.7	93.5	94.4	95.3	95.9	96.6	97.1	99.8	
GE 0		72.1	76.1	81.8	84.7	86.0	88.0	90.5	91.7	93.5	94.4	95.3	95.9	96.6	97.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 5815

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-78,81-86

MONTH: DEC HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		31.1	33.8	37.8	39.0	39.2	39.4	39.6	39.8	39.8	39.8	40.0	40.0	40.5	40.5	41.7
GE 20000		33.4	36.1	40.2	41.5	41.7	41.9	42.1	42.3	42.3	42.3	42.5	42.5	42.9	42.9	44.2
GE 18000		33.4	36.1	40.2	41.5	41.7	41.9	42.1	42.3	42.3	42.3	42.5	42.5	42.9	42.9	44.2
GE 16000		33.4	36.1	40.2	41.5	41.7	41.9	42.1	42.3	42.3	42.3	42.5	42.5	42.9	42.9	44.2
GE 14000		33.4	36.1	40.2	41.5	41.7	41.9	42.1	42.3	42.3	42.3	42.5	42.5	42.9	42.9	44.2
GE 12000		33.8	36.5	40.7	41.9	42.1	42.3	42.5	42.7	42.7	42.7	42.9	42.9	43.4	43.4	44.6
GE 10000		35.1	37.8	41.9	43.2	43.4	43.6	43.8	44.0	44.0	44.2	44.4	44.4	44.8	44.8	46.1
GE 9000		35.3	38.0	42.1	43.6	43.8	44.0	44.2	44.4	44.6	44.8	45.0	45.0	45.4	45.6	46.9
GE 8000		40.0	42.7	46.9	48.3	48.5	49.0	49.2	49.4	49.6	49.8	50.0	50.0	50.4	50.6	51.9
GE 7000		41.3	44.0	48.1	49.6	49.8	50.2	50.4	50.6	50.8	51.0	51.2	51.2	51.7	51.9	53.1
GE 6000		41.3	44.0	48.3	49.8	49.8	50.0	50.4	50.6	50.8	51.0	51.2	51.5	51.5	51.9	53.3
GE 5000		42.7	45.4	49.8	51.2	51.5	51.9	52.1	52.3	52.5	52.7	52.9	52.9	53.3	53.5	54.8
GE 4500		42.7	46.1	50.4	52.1	52.3	52.7	52.9	53.1	53.3	53.5	53.7	53.7	54.1	54.4	55.6
GE 4000		47.9	51.5	55.8	58.1	58.3	58.7	58.9	59.1	59.3	59.5	59.8	59.8	60.2	60.4	61.6
GE 3500		51.0	54.6	59.1	61.4	61.6	62.4	62.7	62.9	63.1	63.3	63.5	63.5	63.9	64.1	65.4
GE 3000		55.8	60.0	65.4	67.6	67.8	68.9	69.1	69.3	69.5	69.7	69.9	69.9	70.3	70.5	71.8
GE 2500		59.3	63.5	68.9	71.6	71.8	72.8	73.0	73.2	73.4	73.7	73.9	73.9	74.5	74.7	75.9
GE 2000		61.8	66.0	72.2	74.9	75.1	76.1	76.3	76.6	76.8	77.0	77.2	77.2	77.8	78.0	79.3
GE 1800		62.0	66.2	72.4	75.1	75.3	76.3	76.6	76.8	77.0	77.2	77.4	77.4	78.0	78.2	79.5
GE 1500		63.7	67.8	74.7	77.4	77.6	78.6	78.8	79.0	79.3	79.5	79.7	79.7	80.3	80.5	81.7
GE 1200		64.7	69.3	76.3	79.0	79.3	80.5	80.7	80.9	81.1	81.3	81.5	81.5	82.2	82.4	83.6
GE 1000		64.9	69.5	76.6	79.3	79.5	80.7	80.9	81.1	81.3	81.5	81.7	81.7	82.4	82.6	83.8
GE 900		65.1	70.3	77.8	80.5	80.7	82.0	82.2	82.4	82.6	82.8	83.0	83.0	83.6	83.8	85.1
GE 800		65.6	71.0	78.8	81.5	81.7	83.2	83.4	83.6	83.8	84.0	84.2	84.2	84.9	85.1	86.3
GE 700		66.4	71.8	79.7	82.6	82.8	84.2	84.4	84.6	84.9	85.3	85.5	85.5	86.1	86.3	87.6
GE 600		66.4	72.2	80.9	84.0	84.6	86.3	86.7	86.9	87.3	87.8	88.0	88.0	88.6	88.8	90.0
GE 500		66.8	72.8	81.5	85.1	85.7	87.8	88.6	89.0	89.6	90.0	90.2	90.2	90.9	91.1	92.5
GE 400		67.0	73.7	82.4	85.9	86.7	88.8	90.0	90.5	91.3	91.7	91.9	91.9	92.5	92.7	94.2
GE 300		67.0	73.7	82.6	86.1	86.9	89.0	90.7	91.7	92.9	93.4	93.6	93.6	94.6	94.8	96.5
GE 200		67.0	73.7	82.6	86.1	86.9	89.0	90.7	91.7	92.9	93.4	94.2	94.2	95.4	95.6	98.8
GE 100		67.0	73.7	82.6	86.1	86.9	89.0	90.7	91.7	92.9	93.4	94.4	94.4	95.6	96.1	99.4
GE 0		67.0	73.7	82.6	86.1	86.9	89.0	90.7	91.7	92.9	93.4	94.4	94.4	95.6	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 462

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		29.7	31.9	34.6	35.4	35.4	35.5	35.9	36.1	36.1	36.1	36.1	36.2	36.2	36.6	37.3	
GE 20000		32.8	35.0	37.8	38.6	38.6	38.8	39.2	39.3	39.3	39.3	39.3	39.6	39.6	40.0	41.1	
GE 18000		33.1	35.4	38.2	39.1	39.1	39.2	39.6	39.7	39.7	39.7	39.7	40.0	40.0	40.4	41.5	
GE 16000		33.1	35.4	38.2	39.1	39.1	39.2	39.6	39.7	39.7	39.7	39.7	40.0	40.0	40.4	41.5	
GE 14000		33.1	35.4	38.2	39.1	39.1	39.2	39.6	39.7	39.7	39.7	39.7	40.0	40.0	40.4	41.5	
GE 12000		33.2	35.5	38.4	39.2	39.2	39.3	39.7	39.9	39.9	39.9	39.9	40.1	40.1	40.5	41.6	
GE 10000		33.8	36.1	39.1	39.9	39.9	40.0	40.4	40.5	40.5	40.5	40.5	40.8	40.8	41.2	42.3	
GE 9000		34.3	36.6	39.6	40.4	40.4	40.5	40.9	41.1	41.1	41.1	41.1	41.4	41.4	41.8	42.8	
GE 8000		38.0	40.3	43.2	44.1	44.1	44.3	44.7	44.9	44.9	44.9	44.9	45.1	45.1	45.5	46.8	
GE 7000		38.5	40.9	43.9	44.7	44.7	45.0	45.4	45.5	45.5	45.5	45.5	45.8	45.8	46.2	47.4	
GE 6000		38.9	41.5	44.9	45.7	45.7	45.9	46.4	46.5	46.5	46.5	46.5	46.8	46.8	47.2	48.4	
GE 5000		41.4	43.9	47.6	48.5	48.5	48.8	49.2	49.3	49.3	49.5	49.5	49.7	49.7	50.1	51.4	
GE 4500		42.7	45.8	49.5	50.4	50.4	50.8	51.2	51.4	51.4	51.5	51.5	51.8	51.8	52.2	53.4	
GE 4000		46.1	49.3	53.5	54.6	54.6	55.1	55.5	55.7	55.7	55.9	55.8	56.1	56.1	56.6	57.8	
GE 3500		49.2	52.6	57.0	58.2	58.2	58.8	59.5	59.6	59.6	59.7	59.7	60.0	60.0	60.5	61.8	
GE 3000		53.0	56.8	62.7	63.2	63.2	64.1	64.7	65.0	65.0	65.1	65.1	65.4	65.4	65.9	67.2	
GE 2500		57.0	60.8	66.9	68.4	68.6	69.5	70.1	70.4	70.4	70.5	70.5	70.8	70.8	71.4	72.6	
GE 2000		60.7	64.7	71.6	73.2	73.5	74.5	75.1	75.4	75.4	75.7	75.7	75.9	75.9	76.5	77.7	
GE 1800		60.8	64.9	71.8	73.4	73.6	74.6	75.3	75.5	75.5	75.8	75.8	76.1	76.1	76.6	77.8	
GE 1600		62.2	66.4	73.4	75.1	75.4	76.6	77.3	77.7	77.7	78.0	78.0	78.2	78.2	78.8	80.0	
GE 1200		64.3	68.8	76.4	78.4	78.6	79.9	80.7	81.1	81.1	81.4	81.4	81.6	81.6	82.2	83.4	
GE 1000		65.3	69.9	78.6	80.7	80.9	82.2	83.0	83.4	83.4	83.6	83.6	83.9	83.9	84.5	85.7	
GE 900		65.4	70.1	79.2	81.2	81.5	82.7	83.5	83.9	83.9	84.2	84.2	84.5	84.5	85.0	86.2	
GE 800		65.7	70.4	79.6	81.6	81.9	83.1	83.9	84.3	84.3	84.6	84.6	84.9	84.9	85.4	86.6	
GE 700		66.1	70.8	80.0	82.3	82.6	83.9	84.9	85.3	85.3	85.5	85.5	85.9	85.9	86.5	87.7	
GE 600		66.2	70.9	80.7	83.1	83.4	84.9	85.8	86.2	86.4	86.6	86.6	87.0	87.0	87.6	88.8	
GE 500		66.4	71.4	81.2	83.9	84.6	86.2	87.4	87.8	88.1	88.4	88.4	88.8	88.8	89.3	90.5	
GE 400		66.5	71.8	81.8	84.6	85.4	87.3	88.6	89.5	89.9	90.1	90.1	90.5	90.7	91.2	92.4	
GE 300		66.5	72.0	82.0	85.0	85.8	87.7	89.2	90.5	90.9	91.2	91.2	91.6	91.8	92.6	93.8	
GE 200		66.5	72.0	82.2	85.1	85.9	87.8	89.3	90.9	91.6	91.9	91.9	92.4	92.8	93.6	94.9	
GE 100		66.5	72.0	82.2	85.1	85.9	87.8	89.3	90.9	91.6	91.9	91.9	92.7	93.8	94.9	96.5	
GE 0		66.5	72.0	82.2	85.1	85.9	87.8	89.3	90.9	91.6	91.9	91.9	92.7	93.8	95.3	100.0	

TOTAL NUMBER OF OBSERVATIONS: 740

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM POORLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS (LST): 0600-0600

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		27.8	29.3	30.8	32.3	32.4	32.8	33.3	33.4	33.6	33.7	33.7	33.9	34.0	34.0	34.0
GE 20000		31.4	33.4	35.2	36.8	36.9	37.3	37.9	38.0	38.3	38.4	38.4	38.5	38.6	38.6	39.0
GE 18000		31.4	33.5	35.3	36.9	37.0	37.4	38.0	38.1	38.4	38.5	38.5	38.6	38.6	38.8	39.1
GE 16000		31.4	33.5	35.3	36.9	37.0	37.4	38.0	38.1	38.4	38.5	38.5	38.6	38.6	38.8	39.1
GE 14000		31.4	33.5	35.3	36.9	37.0	37.4	38.0	38.1	38.4	38.5	38.5	38.6	38.6	38.8	39.1
GE 12000		31.4	33.5	35.3	36.9	37.0	37.4	38.0	38.1	38.4	38.5	38.5	38.6	38.6	38.8	39.1
GE 10000		32.5	34.6	36.4	38.0	38.1	38.5	39.1	39.2	39.5	39.6	39.6	39.7	39.9	39.9	40.2
GE 9000		32.6	34.7	36.6	38.1	38.3	38.6	39.2	39.4	39.6	39.7	39.7	39.9	40.0	40.0	40.3
GE 8000		35.9	38.3	40.1	41.8	42.1	42.4	43.2	43.3	43.5	43.6	43.6	43.8	43.9	43.9	44.3
GE 7000		37.2	39.5	41.3	43.0	43.3	43.6	44.4	44.5	44.7	44.9	44.9	45.0	45.1	45.1	45.5
GE 6000		37.7	40.0	41.8	43.5	43.8	44.1	44.9	45.0	45.2	45.4	45.4	45.5	45.6	45.6	46.0
GE 5000		39.2	41.7	43.5	45.5	45.7	46.1	46.8	46.9	47.2	47.3	47.3	47.4	47.6	47.6	47.9
GE 4500		41.6	44.0	46.0	48.0	48.3	48.8	49.5	49.6	49.9	50.0	50.0	50.1	50.2	50.2	50.6
GE 4000		45.6	48.0	50.2	52.4	52.7	53.7	54.6	54.8	55.1	55.3	55.3	55.4	55.5	55.5	55.9
GE 3500		48.9	51.6	54.0	56.4	56.6	57.6	58.6	58.7	59.0	59.2	59.2	59.3	59.4	59.4	59.8
GE 3000		52.9	56.2	59.0	61.5	61.7	62.7	63.7	63.9	64.5	64.7	64.7	64.8	64.9	64.9	65.3
GE 2500		56.6	60.4	63.6	66.3	66.5	67.5	68.5	68.7	69.3	69.6	69.6	69.7	69.8	69.8	70.2
GE 2000		59.0	63.2	67.4	70.2	70.8	72.5	73.5	74.2	74.9	75.2	75.2	75.3	75.4	75.4	75.8
GE 1800		59.7	63.8	68.1	71.1	71.8	73.5	74.4	75.2	75.9	76.2	76.2	76.3	76.4	76.4	76.8
GE 1600		61.6	66.4	71.0	74.2	74.8	76.5	77.5	78.2	79.0	79.2	79.2	79.3	79.5	79.5	79.8
GE 1400		63.3	68.2	73.5	76.8	77.5	79.5	80.8	81.5	82.3	82.5	82.5	82.6	82.8	82.8	83.1
GE 1000		64.4	69.6	75.3	78.9	79.6	81.8	83.1	83.9	84.6	84.8	84.8	85.1	85.2	85.2	85.6
GE 900		65.0	70.2	76.3	80.0	80.7	82.9	84.2	85.0	85.8	86.1	86.1	86.4	86.6	86.6	86.9
GE 800		66.3	71.4	77.5	81.2	82.0	84.2	85.6	86.3	87.2	87.4	87.4	87.6	87.9	87.9	88.3
GE 700		66.9	72.0	78.4	82.0	82.9	85.2	86.7	87.7	88.6	88.9	88.9	89.2	89.4	89.4	89.7
GE 600		66.9	72.0	78.4	82.0	82.9	85.2	86.7	87.7	88.6	88.9	88.9	89.2	89.4	89.4	89.7
GE 500		67.5	72.7	79.3	83.0	84.0	86.6	88.4	89.6	90.7	91.0	91.0	91.3	91.4	91.4	91.8
GE 400		67.8	73.1	79.7	83.5	84.5	87.3	89.6	90.8	92.1	92.3	92.3	92.7	92.8	92.9	93.5
GE 300		67.8	73.1	79.7	83.5	84.5	87.3	89.6	90.8	92.2	92.4	92.4	92.8	93.4	93.9	94.6
GE 200		67.8	73.1	79.7	83.5	84.6	87.4	89.7	91.1	92.9	93.3	93.3	93.9	94.4	95.1	96.0
GE 100		67.8	73.1	79.7	83.5	84.6	87.4	89.7	91.1	92.9	93.3	93.3	93.9	94.5	95.4	96.2
GE 0		67.8	73.1	79.7	83.5	84.6	87.4	89.7	91.1	92.9	93.3	93.9	94.5	95.4	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86

MONTH: DEC

HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		23.5	25.0	26.6	27.6	27.8	29.0	29.7	29.8	29.9	29.9	30.0	30.0	30.0	30.0
GE 20000		29.6	31.3	33.5	34.6	34.9	36.0	36.7	37.0	37.2	37.2	37.3	37.3	37.4	37.4
GE 18000		29.8	31.6	33.7	34.9	35.1	36.3	37.0	37.2	37.4	37.4	37.6	37.6	37.7	37.7
GE 16000		29.8	31.6	33.7	34.9	35.1	36.3	37.0	37.2	37.4	37.4	37.6	37.6	37.7	37.7
GE 14000		29.9	31.7	34.0	35.2	35.4	36.6	37.3	37.6	37.8	37.8	37.9	37.9	38.0	38.0
GE 12000		30.2	31.9	34.3	35.6	35.8	37.0	37.7	37.9	38.1	38.1	38.3	38.3	38.4	38.4
GE 10000		31.9	33.7	36.2	37.4	37.7	39.0	39.7	39.9	40.1	40.1	40.3	40.3	40.4	40.4
GE 9000		32.4	34.2	36.6	37.9	38.1	39.4	40.1	40.4	40.6	40.6	40.7	40.7	40.8	40.8
GE 8000		37.8	39.8	42.6	44.1	44.6	45.9	46.6	46.8	47.3	47.4	47.5	47.7	47.8	47.8
GE 7000		38.7	40.7	43.9	45.4	45.9	47.2	47.9	48.1	48.6	48.7	48.8	48.9	49.1	49.1
GE 6000		38.7	40.7	43.9	45.5	46.0	47.4	48.1	48.4	48.8	48.9	49.1	49.2	49.3	49.3
GE 5000		39.9	41.9	45.1	46.8	47.3	48.7	49.4	49.6	50.1	50.2	50.4	50.5	50.6	50.6
GE 4500		41.5	43.5	47.1	48.8	49.3	50.8	51.5	51.8	52.2	52.3	52.5	52.6	52.7	52.7
GE 4000		45.7	47.9	51.6	53.8	54.5	56.0	56.8	57.0	57.6	57.7	57.9	58.0	58.1	58.1
GE 3500		48.9	51.4	55.3	57.4	58.1	59.7	60.6	60.8	61.4	61.5	61.6	61.7	61.9	61.9
GE 3000		53.9	57.3	61.3	63.6	64.3	66.0	67.0	67.3	68.2	68.3	68.4	68.7	68.8	68.9
GE 2500		56.2	60.1	64.3	66.9	67.6	69.6	70.7	70.9	71.9	72.1	72.2	72.4	72.5	72.7
GE 2000		59.3	63.3	68.4	71.2	71.9	74.3	75.4	75.6	76.6	76.8	76.9	77.1	77.2	77.3
GE 1800		59.3	63.3	68.5	71.4	72.1	74.4	75.5	75.7	76.8	76.9	77.0	77.2	77.3	77.5
GE 1500		61.5	65.5	71.1	74.2	75.0	77.5	78.5	79.1	80.2	80.3	80.4	80.6	80.8	80.9
GE 1200		63.0	67.1	73.1	76.3	77.1	79.7	80.8	81.3	82.5	82.6	82.7	83.0	83.1	83.2
GE 1000		64.4	68.5	75.0	78.3	79.3	82.2	83.5	84.0	85.2	85.4	85.6	85.8	85.9	86.0
GE 900		64.7	68.8	75.2	78.5	79.6	82.4	83.7	84.3	85.6	85.9	86.0	86.3	86.4	86.5
GE 800		65.4	69.5	75.9	79.2	80.3	83.2	84.6	85.3	86.7	87.2	87.3	87.6	87.7	87.8
GE 700		66.5	70.7	77.6	80.9	81.9	84.9	86.3	87.0	88.4	89.0	89.1	89.3	89.4	89.6
GE 600		66.5	70.7	77.6	81.0	82.0	85.2	86.7	87.6	89.1	89.9	90.1	90.4	90.5	90.6
GE 500		66.5	70.8	77.9	81.3	82.5	86.3	88.0	89.4	91.2	92.0	92.3	92.5	92.6	92.7
GE 400		66.5	70.8	77.9	81.3	82.6	86.6	88.5	90.4	92.1	93.1	93.3	93.7	94.0	94.1
GE 300		66.5	70.8	77.9	81.3	82.6	86.6	88.5	90.5	92.4	93.5	94.0	94.4	94.8	95.3
GE 200		66.5	70.8	77.9	81.3	82.6	86.6	88.6	90.6	92.6	93.9	94.5	95.1	96.1	96.6
GE 100		66.5	70.8	77.9	81.3	82.6	86.6	88.6	90.6	92.6	93.9	94.5	95.1	96.5	97.4
GE 0		66.5	70.8	77.9	81.3	82.6	86.6	88.6	90.6	92.6	93.9	94.5	95.1	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 852

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86

MONTH: DEC

HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1		24.5	26.2	27.6	27.9	28.0	28.5	28.6	29.0	29.2	29.2	29.2	29.3	29.3	29.4	29.4
GE 20000	1		31.0	32.9	34.4	34.8	34.9	35.4	35.6	36.0	36.1	36.1	36.1	36.3	36.3	36.4	36.4
GE 18000	1		31.3	33.1	34.6	35.0	35.1	35.6	35.8	36.3	36.4	36.4	36.4	36.5	36.5	36.6	36.6
GE 16000	1		31.3	33.1	34.6	35.0	35.1	35.6	35.8	36.3	36.4	36.4	36.4	36.5	36.5	36.6	36.6
GE 14000	1		31.3	33.1	34.6	35.0	35.1	35.6	35.8	36.3	36.4	36.4	36.4	36.5	36.5	36.6	36.6
GE 12000	1		31.7	33.6	35.0	35.7	35.8	36.3	36.5	36.9	37.0	37.0	37.0	37.1	37.1	37.3	37.3
GE 10000	1		33.3	35.3	36.7	37.4	37.5	37.9	38.2	38.7	38.8	38.8	38.8	38.9	38.9	39.0	39.0
GE 9000	1		34.5	36.5	37.9	38.6	38.7	39.1	39.5	39.9	40.0	40.0	40.0	40.1	40.1	40.2	40.2
GE 8000	1		39.2	41.4	42.9	43.8	44.1	44.7	45.0	45.5	45.6	45.6	45.6	45.7	45.7	45.8	45.8
GE 7000	1		40.5	42.6	44.2	45.1	45.5	46.0	46.3	46.8	46.9	46.9	46.9	47.0	47.0	47.1	47.1
GE 6000	1		40.5	42.6	44.2	45.1	45.5	46.0	46.3	46.8	46.9	46.9	46.9	47.0	47.0	47.1	47.1
GE 5000	1		41.5	43.6	45.2	46.2	46.6	47.1	47.5	47.9	48.0	48.0	48.0	48.1	48.1	48.2	48.2
GE 4500	1		43.2	45.7	47.6	48.7	49.0	49.6	49.9	50.3	50.4	50.4	50.4	50.6	50.6	50.7	50.7
GE 4000	1		48.2	50.8	52.9	54.2	54.8	55.5	55.9	56.3	56.4	56.4	56.4	56.7	56.7	56.9	56.9
GE 3500	1		50.8	53.4	55.8	57.1	57.6	58.8	59.1	59.6	59.8	59.8	59.8	60.0	60.1	60.2	60.2
GE 3000	1		54.5	57.5	60.4	61.9	62.4	63.5	64.0	64.5	64.7	64.7	64.7	65.0	65.1	65.2	65.2
GE 2500	1		57.5	61.0	64.2	65.7	66.3	67.4	68.0	68.6	68.8	68.8	68.8	69.1	69.2	69.3	69.3
GE 2000	1		60.2	63.6	66.3	70.3	70.8	72.2	72.8	73.5	73.7	73.7	73.7	73.9	74.1	74.2	74.2
GE 1800	1		60.3	63.7	68.4	70.4	71.0	72.3	72.9	73.6	73.8	73.8	73.8	74.1	74.2	74.3	74.3
GE 1500	1		63.9	67.4	72.2	74.5	75.1	76.5	77.2	77.9	78.2	78.2	78.2	78.4	78.5	78.6	78.6
GE 1200	1		65.7	69.6	74.8	77.6	78.3	80.0	81.0	81.9	82.2	82.2	82.2	82.5	82.6	82.7	82.7
GE 1000	1		67.8	71.8	77.7	80.5	81.2	83.1	84.3	85.3	85.6	85.6	85.6	85.9	86.1	86.3	86.3
GE 900	1		68.2	72.4	78.3	81.2	81.8	83.8	85.0	86.0	86.5	86.5	86.5	86.8	87.0	87.1	87.1
GE 800	1		68.8	73.2	79.2	82.0	82.7	85.1	86.5	87.6	88.0	88.0	88.0	88.4	88.6	88.7	88.7
GE 700	1		69.5	73.8	80.0	83.0	83.7	86.6	87.9	89.2	89.7	89.7	89.7	90.0	90.2	90.4	90.4
GE 600	1		70.0	74.4	80.8	83.8	84.6	87.5	88.8	90.6	91.0	91.0	91.0	91.4	91.8	91.9	91.9
GE 500	1		70.0	74.5	81.2	84.3	85.0	88.2	89.8	91.7	92.2	92.2	92.2	92.6	93.0	93.1	93.1
GE 400	1		70.0	74.5	81.2	84.5	85.4	88.9	90.6	92.5	93.7	93.7	93.8	94.2	94.8	94.9	94.9
GE 300	1		70.0	74.5	81.3	84.7	85.6	89.1	90.8	92.7	94.2	94.2	94.5	95.1	96.2	96.8	97.3
GE 200	1		70.0	74.6	81.4	84.8	85.7	89.2	90.9	92.9	94.5	94.5	94.8	95.5	96.9	97.9	99.3
GE 100	1		70.0	74.6	81.4	84.8	85.7	89.2	90.9	92.9	94.5	94.5	94.8	95.6	97.3	99.6	100.0
GE 0	1		70.0	74.6	81.4	84.8	85.7	89.2	90.9	92.9	94.5	94.5	94.8	95.6	97.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 902

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL		25.5	27.1	28.7	28.9	29.2	29.3	29.8	29.8	30.0	30.1	30.1	30.1	30.2	30.2
GE 20000		30.2	32.1	33.8	34.1	34.4	34.8	35.4	35.4	35.7	35.9	35.9	35.9	36.0	36.1
GE 18000		30.2	32.1	33.8	34.2	34.6	34.9	35.5	35.5	35.8	36.0	36.0	36.0	36.1	36.2
GE 16000		30.2	32.1	33.9	34.4	34.8	35.1	35.8	35.8	36.0	36.2	36.2	36.2	36.3	36.4
GE 14000		30.5	32.3	34.2	34.8	35.1	35.4	36.1	36.1	36.3	36.5	36.5	36.5	36.7	36.8
GE 12000		31.0	32.9	34.8	35.3	35.7	36.0	36.8	36.8	37.0	37.2	37.2	37.2	37.3	37.4
GE 10000		32.7	34.8	37.2	37.9	38.2	38.5	39.3	39.3	39.5	39.8	39.8	39.8	39.9	40.0
GE 9000		33.3	35.4	38.0	38.6	39.0	39.3	40.1	40.1	40.3	40.5	40.5	40.5	40.6	40.8
GE 8000		37.9	40.0	42.6	43.3	43.6	44.0	45.1	45.1	45.3	45.5	45.5	45.5	45.6	45.7
GE 7000		40.0	42.1	44.9	45.5	45.8	46.2	47.4	47.4	47.6	47.8	47.8	47.8	48.0	48.1
GE 6000		40.2	42.3	45.1	45.7	46.1	46.4	47.6	47.6	47.8	48.1	48.1	48.1	48.2	48.3
GE 5000		41.6	43.9	46.6	47.3	47.6	48.0	49.2	49.2	49.4	49.6	49.6	49.6	49.7	49.8
GE 4500		43.7	46.0	48.7	49.4	49.7	50.1	51.3	51.3	51.5	51.7	51.7	51.7	51.8	51.9
GE 4000		48.4	50.6	53.4	54.0	54.5	55.1	56.5	56.5	56.8	57.0	57.0	57.0	57.1	57.3
GE 3500		51.8	54.2	57.0	57.8	58.3	59.4	60.7	60.7	61.0	61.2	61.2	61.2	61.4	61.5
GE 3000		58.3	60.8	64.3	65.2	65.7	66.9	68.3	68.3	68.7	68.9	68.9	68.9	69.0	69.1
GE 2500		61.9	64.9	68.9	69.8	70.2	71.7	73.3	73.3	73.6	73.9	73.9	73.9	74.0	74.1
GE 2000		65.3	68.4	73.2	74.5	75.0	76.7	78.5	78.5	78.8	79.1	79.1	79.1	79.2	79.3
GE 1800		65.8	68.9	73.6	75.0	75.5	77.5	79.3	79.3	79.6	79.8	79.8	79.8	80.0	80.1
GE 1500		67.8	71.4	76.6	78.1	78.7	81.1	83.1	83.2	83.5	83.7	83.7	83.7	83.8	83.9
GE 1200		69.2	73.0	78.6	80.3	81.0	83.4	85.5	85.6	85.9	86.2	86.2	86.3	86.4	86.5
GE 1000		69.9	74.0	80.0	81.9	82.7	85.6	87.8	88.0	88.4	88.6	88.6	88.7	88.8	88.9
GE 900		70.1	74.2	80.2	82.2	82.9	85.8	88.0	88.3	88.6	88.8	88.8	88.9	89.0	89.1
GE 800		70.5	74.8	80.8	82.9	83.7	86.7	89.3	89.5	89.9	90.3	90.3	90.5	90.6	90.7
GE 700		70.9	75.2	81.3	83.5	84.4	87.6	90.3	90.6	91.1	91.5	91.5	91.7	91.8	91.9
GE 600		70.9	75.3	81.4	83.6	84.5	87.7	90.5	91.1	91.7	92.0	92.0	92.4	92.6	92.7
GE 500		71.1	75.6	81.9	84.2	85.0	88.3	91.1	91.8	92.5	92.8	92.8	93.1	93.4	93.5
GE 400		71.1	75.6	82.1	84.5	85.4	88.6	91.6	92.7	93.4	94.0	94.1	94.6	94.9	95.1
GE 300		71.1	75.6	82.1	84.5	85.4	88.6	91.6	92.8	93.8	94.6	94.8	95.2	96.3	96.8
GE 200		71.1	75.6	82.1	84.5	85.4	88.6	91.6	92.8	94.0	94.9	95.1	96.2	97.3	97.9
GE 100		71.1	75.6	82.1	84.5	85.4	88.6	91.6	92.8	94.0	94.9	95.1	96.2	97.7	100.0
GE 0		71.1	75.6	82.1	84.5	85.4	88.6	91.6	92.8	94.0	94.9	95.1	96.2	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	28.5	30.3	32.5	33.2	33.7	34.7	35.5	35.7	35.9	36.1	36.1	36.1	36.1	36.3	37.0
GE 20000	33.8	36.2	38.7	39.4	39.9	41.0	42.0	42.1	42.4	42.5	42.5	42.5	42.5	42.8	43.5
GE 18000	33.8	36.2	38.7	39.4	39.9	41.0	42.0	42.1	42.4	42.5	42.5	42.5	42.5	42.8	43.5
GE 16000	33.8	36.2	38.7	39.4	39.9	41.0	42.0	42.1	42.4	42.5	42.5	42.5	42.5	42.8	43.5
GE 14000	33.8	36.2	38.7	39.4	39.9	41.0	42.0	42.1	42.4	42.5	42.5	42.5	42.5	42.8	43.5
GE 12000	33.8	36.2	38.7	39.4	39.9	41.0	42.0	42.1	42.4	42.5	42.5	42.5	42.5	42.8	43.5
GE 10000	35.3	37.6	40.6	41.2	41.7	42.9	44.0	44.1	44.4	44.5	44.5	44.5	44.5	44.8	45.4
GE 9000	35.4	37.8	40.7	41.3	41.9	43.1	44.1	44.3	44.5	44.6	44.6	44.6	44.6	44.9	45.6
GE 8000	40.3	43.3	46.4	47.0	47.6	48.7	49.8	49.9	50.2	50.3	50.3	50.3	50.3	50.6	51.3
GE 7000	40.7	43.7	47.2	47.8	48.5	49.7	50.7	51.0	51.3	51.4	51.4	51.4	51.4	51.7	52.3
GE 6000	40.7	43.7	47.2	47.8	48.5	49.7	50.7	51.0	51.3	51.4	51.4	51.4	51.4	51.7	52.3
GE 5000	41.7	45.0	48.5	49.1	49.8	51.0	52.0	52.3	52.6	52.7	52.7	52.7	52.7	53.0	53.6
GE 4500	44.0	47.7	51.4	52.0	52.7	53.9	55.0	55.2	55.5	55.6	55.6	55.6	55.6	55.9	56.5
GE 4000	49.0	53.0	56.8	58.0	58.7	60.0	61.0	61.3	61.6	61.7	61.7	61.7	61.7	62.0	62.6
GE 3500	51.8	55.7	59.7	61.0	61.8	63.4	64.5	64.7	65.0	65.1	65.1	65.1	65.1	65.4	66.1
GE 3000	57.3	61.7	65.9	67.2	68.0	69.6	70.7	70.9	71.2	71.3	71.3	71.3	71.3	71.6	72.3
GE 2500	59.2	63.5	68.2	69.6	70.4	72.0	73.1	73.3	73.7	73.8	73.8	73.8	73.8	74.1	74.8
GE 2000	61.4	66.3	71.9	73.4	74.2	76.2	77.3	77.5	77.9	78.1	78.1	78.1	78.1	78.3	79.0
GE 1800	61.6	66.4	72.0	73.6	74.4	76.4	77.4	77.7	78.1	78.2	78.2	78.2	78.2	78.5	79.1
GE 1500	65.4	70.8	77.1	79.1	79.9	82.3	83.4	83.6	84.0	84.1	84.1	84.1	84.1	84.4	85.1
GE 1200	66.7	72.1	78.7	81.1	81.9	84.5	85.7	86.0	86.4	86.5	86.5	86.5	86.5	86.8	87.5
GE 1000	67.4	72.8	79.7	82.3	83.2	86.0	87.6	87.8	88.2	88.4	88.4	88.4	88.4	88.6	89.3
GE 900	67.6	73.1	79.9	82.6	83.5	86.4	88.1	88.4	88.8	88.9	88.9	88.9	88.9	89.2	89.8
GE 800	68.4	73.8	80.8	83.5	84.4	87.3	89.0	89.3	89.7	89.8	89.8	89.8	89.8	90.0	90.9
GE 700	68.7	74.4	81.6	84.4	85.3	88.2	90.4	90.6	91.0	91.1	91.1	91.1	91.1	91.5	92.2
GE 600	68.8	74.6	82.2	84.9	85.9	88.8	90.9	91.5	91.9	92.1	92.1	92.1	92.1	92.5	93.1
GE 500	69.1	75.0	82.6	85.3	86.3	89.3	91.7	92.3	92.7	92.9	92.9	92.9	92.9	93.0	93.9
GE 400	69.1	75.0	82.6	85.9	86.8	89.8	92.6	93.7	94.2	94.6	94.6	94.6	94.6	94.7	95.6
GE 300	69.2	75.2	82.7	86.0	86.9	90.0	92.9	93.9	94.8	95.2	95.2	95.2	95.2	95.5	96.4
GE 200	69.2	75.2	82.7	86.0	86.9	90.0	92.9	93.9	95.2	96.0	96.0	96.0	96.0	96.7	97.0
GE 100	69.2	75.2	82.7	86.0	86.9	90.0	92.9	93.9	95.2	96.0	96.0	96.0	96.0	96.7	97.4
GE 0	69.2	75.2	82.7	86.0	86.9	90.0	92.9	93.9	95.2	96.0	96.0	96.0	96.0	96.7	97.4

TOTAL NUMBER OF OBSERVATIONS: 757

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL		26.7	29.8	33.3	33.9	34.0	34.1	34.4	34.6	35.0	35.0	35.0	35.5	35.6	35.9	37.0
GE 20000		29.4	32.7	36.2	36.7	37.0	37.1	37.4	37.6	38.0	38.0	38.0	38.5	38.6	38.9	40.0
GE 18000		29.4	32.7	36.2	36.7	37.0	37.1	37.4	37.6	38.0	38.0	38.0	38.5	38.6	38.9	40.0
GE 16000		29.4	32.7	36.2	36.7	37.0	37.1	37.4	37.6	38.0	38.0	38.0	38.5	38.6	38.9	40.0
GE 14000		29.4	32.7	36.3	36.9	37.1	37.3	37.6	37.7	38.1	38.1	38.1	38.6	38.8	39.0	40.1
GE 12000		29.4	32.7	36.3	36.9	37.1	37.3	37.6	37.7	38.1	38.1	38.1	38.6	38.8	39.0	40.1
GE 10000		31.6	34.8	38.5	39.0	39.5	39.6	40.0	40.1	40.5	40.5	40.5	41.1	41.2	41.5	42.6
GE 9000		33.3	36.7	40.4	41.0	41.4	41.5	41.9	42.0	42.4	42.4	42.4	43.0	43.1	43.4	44.5
GE 8000		38.1	42.0	45.7	46.3	46.7	46.8	47.2	47.3	47.8	47.8	47.8	48.3	48.4	48.7	49.8
GE 7000		38.9	43.0	46.7	47.5	47.9	48.0	48.4	48.6	49.0	49.0	49.0	49.5	49.7	49.9	51.0
GE 6000		39.3	43.4	47.1	47.9	48.3	48.4	48.8	49.0	49.4	49.4	49.4	49.9	50.1	50.3	51.4
GE 5000		41.1	45.2	48.8	49.7	50.1	50.2	50.6	50.7	51.2	51.2	51.2	51.7	51.8	52.1	53.2
GE 4500		42.3	46.9	51.0	52.0	52.4	52.5	52.9	53.1	53.5	53.5	53.5	54.0	54.1	54.4	55.5
GE 4000		48.6	53.5	57.6	59.2	59.6	59.7	60.7	60.8	61.2	61.2	61.2	61.8	61.9	62.2	63.3
GE 3500		50.5	55.4	59.9	61.5	61.9	62.4	63.4	63.5	63.9	63.9	63.9	64.5	64.6	64.9	66.0
GE 3000		54.0	59.5	64.6	66.3	66.7	67.3	68.4	68.6	69.0	69.0	69.0	69.5	69.7	69.9	71.0
GE 2500		57.6	63.0	68.3	70.2	70.6	71.6	72.8	72.9	73.3	73.3	73.3	73.9	74.0	74.3	75.4
GE 2000		60.7	66.3	72.2	74.1	74.6	75.6	76.9	77.0	77.4	77.4	77.4	78.0	78.1	78.4	79.5
GE 1800		61.0	66.5	72.5	74.4	74.8	75.9	77.1	77.3	77.7	77.7	77.7	78.2	78.4	78.6	79.7
GE 1500		63.1	69.0	75.8	77.8	78.4	79.5	80.7	80.8	81.2	81.2	81.2	81.8	81.9	82.2	83.3
GE 1200		63.8	69.9	77.3	79.3	80.1	81.6	82.9	83.0	83.4	83.4	83.4	83.9	84.1	84.4	85.4
GE 1000		64.9	71.3	79.0	81.5	82.4	83.9	85.2	85.3	85.7	85.7	85.7	86.3	86.4	86.7	87.8
GE 900		65.7	72.2	80.0	82.4	83.4	84.9	86.1	86.3	86.7	86.7	86.7	87.2	87.3	87.6	88.7
GE 800		66.7	73.3	81.2	84.1	85.0	86.7	88.0	88.2	88.6	88.6	88.6	89.1	89.3	89.5	90.6
GE 700		66.8	73.5	81.5	84.4	85.3	86.9	88.7	88.8	89.3	89.3	89.3	89.8	90.1	90.3	91.7
GE 600		66.9	73.9	82.3	85.3	86.3	87.9	89.8	90.2	90.7	90.9	90.9	91.4	91.7	92.0	93.3
GE 500		66.9	74.0	82.4	85.4	86.5	88.6	90.5	90.9	91.4	91.6	91.6	92.1	92.4	92.7	94.0
GE 400		66.9	74.0	82.4	85.6	86.7	88.7	90.7	91.2	91.7	91.8	91.8	92.4	92.7	92.9	94.3
GE 300		67.1	74.3	82.7	85.9	86.9	89.1	91.3	91.7	92.9	93.1	93.1	93.6	94.4	94.7	96.2
GE 200		67.1	74.3	82.7	86.0	87.1	89.4	91.6	92.1	93.9	94.0	94.1	94.8	95.8	96.1	99.2
GE 100		67.1	74.3	82.7	86.0	87.1	89.4	91.6	92.1	93.9	94.0	94.1	94.8	95.8	96.3	100.0
GE	CL	67.1	74.3	82.7	86.0	87.1	89.4	91.6	92.1	93.9	94.0	94.1	94.8	95.8	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 735

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(IST):

ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
1	160	180	200	240	280	320	360	400	480	560	640	720	800	880	960	1000
NO CEIL	1	26.8	28.8	31.0	31.7	31.9	32.4	32.8	33.0	33.2	33.2	33.2	33.3	33.4	33.6	34.0
GE 20000	1	31.3	33.5	35.9	36.7	36.9	37.4	38.0	38.1	38.3	38.4	38.4	38.6	38.7	38.8	39.3
GE 18000	1	31.4	33.6	36.0	36.9	37.1	37.6	38.1	38.3	38.5	38.6	38.6	38.7	38.8	38.9	39.5
GE 16000	1	31.4	33.6	36.0	36.9	37.1	37.6	38.1	38.3	38.5	38.6	38.6	38.7	38.8	39.0	39.5
GE 14000	1	31.5	33.7	36.1	37.0	37.2	37.7	38.3	38.4	38.6	38.7	38.7	38.9	39.0	39.1	39.6
GE 12000	1	31.7	33.9	36.4	37.3	37.5	38.0	38.6	38.7	38.9	39.0	39.0	39.2	39.2	39.4	39.9
GE 10000	1	33.1	35.4	38.0	39.0	39.2	39.7	40.3	40.5	40.7	40.8	40.8	40.9	41.0	41.2	41.7
GE 9000	1	33.8	36.1	38.7	39.7	39.9	40.4	41.0	41.2	41.4	41.5	41.5	41.7	41.8	41.9	42.4
GE 8000	1	38.3	40.8	43.6	44.6	44.9	45.5	46.1	46.3	46.6	46.6	46.7	46.8	46.9	47.1	47.6
GE 7000	1	39.4	41.9	44.8	45.9	46.2	46.8	47.4	47.6	47.9	48.0	48.0	48.1	48.2	48.4	48.9
GE 6000	1	39.6	42.2	45.1	46.1	46.5	47.1	47.7	47.9	48.2	48.3	48.3	48.5	48.6	48.7	49.2
GE 5000	1	41.1	43.7	46.6	47.8	48.1	48.7	49.4	49.6	49.8	49.9	50.0	50.1	50.2	50.4	50.9
GE 4500	1	42.7	45.6	48.8	50.0	50.3	51.0	51.6	51.8	52.1	52.2	52.2	52.4	52.5	52.6	53.2
GE 4000	1	47.4	50.5	53.8	55.3	55.7	56.5	57.3	57.5	57.8	57.9	58.0	58.1	58.2	58.4	58.9
GE 3500	1	50.3	53.5	57.0	58.6	59.1	60.1	60.9	61.2	61.4	61.6	61.6	61.8	61.9	62.0	62.6
GE 3000	1	55.0	58.6	62.7	64.3	64.8	65.9	66.8	67.1	67.5	67.6	67.6	67.8	67.9	68.1	68.6
GE 2500	1	58.2	62.1	66.5	68.3	68.8	70.1	71.0	71.3	71.7	71.8	71.9	72.0	72.2	72.4	72.9
GE 2000	1	61.1	65.2	70.5	72.6	73.1	74.7	75.7	76.0	76.4	76.6	76.6	76.8	76.9	77.1	77.6
GE 1800	1	61.3	65.4	70.8	72.9	73.4	75.0	76.0	76.3	76.8	76.9	77.0	77.1	77.3	77.4	78.0
GE 1500	1	63.7	68.1	73.9	76.2	76.8	78.5	79.6	80.0	80.4	80.6	80.6	80.8	80.9	81.1	81.6
GE 1200	1	65.2	69.8	76.0	78.5	79.2	81.2	82.3	82.8	83.2	83.4	83.4	83.6	83.7	83.9	84.5
GE 1000	1	66.3	71.0	77.8	80.4	81.2	83.3	84.6	85.1	85.6	85.7	85.7	86.0	86.1	86.3	86.8
GE 900	1	66.6	71.5	78.3	81.1	81.8	84.0	85.3	85.7	86.3	86.4	86.5	86.7	86.9	87.0	87.6
GE 800	1	67.3	72.3	79.2	82.0	82.7	85.0	86.5	87.0	87.5	87.7	87.8	88.0	88.2	88.4	88.9
GE 700	1	67.9	72.9	80.0	82.9	83.6	86.1	87.6	88.2	88.8	89.0	89.1	89.3	89.5	89.7	90.3
GE 600	1	68.0	73.1	80.5	83.4	84.2	86.7	88.3	89.1	89.8	90.1	90.1	90.4	90.6	90.8	91.4
GE 500	1	68.2	73.4	81.0	84.0	84.9	87.6	89.5	90.4	91.2	91.5	91.5	91.8	92.1	92.2	92.8
GE 400	1	68.3	73.6	81.1	84.3	85.3	88.2	90.3	91.5	92.4	92.8	92.9	93.2	93.5	93.7	94.3
GE 300	1	68.3	73.7	81.3	84.5	85.5	88.4	90.5	91.9	93.1	93.5	93.7	94.0	94.7	95.1	96.2
GE 200	1	68.3	73.7	81.3	84.5	85.5	88.5	90.6	92.0	93.5	94.0	94.4	95.0	95.9	96.5	98.5
GE 100	1	68.3	73.7	81.3	84.5	85.5	88.5	90.6	92.0	93.5	94.0	94.4	95.0	96.2	97.0	99.7
GE 01	1	68.3	73.7	81.3	84.5	85.5	88.5	90.6	92.0	93.5	94.0	94.4	95.0	96.2	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 6189

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-87

MONTH: ALL HOURS(LST): ALL

IN FEET		VISIBILITY IN HUNDREDS OF METERS														
GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL	27.6	28.9	31.0	32.0	32.3	32.9	33.3	33.5	33.7	33.8	33.9	33.9	34.0	34.1	34.3	
GE 20000	32.8	34.5	37.0	38.2	38.6	39.3	39.8	40.0	40.3	40.4	40.5	40.5	40.6	40.7	41.0	
GE 18000	33.0	34.6	37.2	38.4	38.7	39.5	39.9	40.2	40.5	40.6	40.7	40.7	40.8	40.9	41.2	
GE 16000	33.0	34.6	37.2	38.4	38.8	39.5	40.0	40.2	40.5	40.6	40.7	40.7	40.8	40.9	41.2	
GE 14000	33.1	34.8	37.3	38.6	38.9	39.6	40.1	40.3	40.6	40.7	40.8	40.9	41.0	41.0	41.4	
GE 12000	33.6	35.3	37.9	39.1	39.5	40.2	40.7	40.9	41.2	41.3	41.4	41.5	41.6	41.7	42.0	
GE 10000	35.9	37.7	40.5	41.8	42.1	42.9	43.4	43.7	44.0	44.1	44.2	44.3	44.4	44.4	44.7	
GE 9000	36.6	38.4	41.2	42.6	43.0	43.7	44.2	44.5	44.9	45.0	45.0	45.1	45.2	45.3	45.6	
GE 8000	40.5	42.5	45.6	47.1	47.5	48.3	48.9	49.2	49.6	49.7	49.7	49.8	49.9	50.0	50.3	
GE 7000	41.4	43.4	46.6	48.1	48.5	49.4	50.0	50.3	50.6	50.7	50.8	50.9	51.0	51.1	51.4	
GE 6000	41.6	43.6	46.8	48.3	48.8	49.6	50.2	50.5	50.9	51.0	51.1	51.2	51.3	51.4	51.7	
GE 5000	44.0	46.2	49.6	51.2	51.7	52.7	53.3	53.6	54.0	54.1	54.2	54.3	54.4	54.5	54.8	
GE 4500	46.5	48.9	52.6	54.3	54.8	55.8	56.5	56.8	57.2	57.3	57.4	57.5	57.6	57.7	58.0	
GE 4000	52.2	54.8	58.8	60.7	61.3	62.4	63.1	63.5	64.0	64.1	64.2	64.3	64.4	64.5	64.8	
GE 3500	56.2	58.9	63.3	65.3	65.9	67.1	67.9	68.3	68.8	69.0	69.1	69.2	69.3	69.4	69.7	
GE 3000	61.2	64.3	69.0	71.2	71.9	73.2	74.2	74.6	75.2	75.3	75.4	75.5	75.7	75.7	76.1	
GE 2500	63.8	67.1	72.2	74.5	75.2	76.6	77.6	78.1	78.7	78.9	79.0	79.1	79.2	79.3	79.6	
GE 2000	66.3	69.9	75.4	77.9	78.7	80.2	81.3	81.8	82.4	82.6	82.7	82.8	83.0	83.1	83.4	
GE 1800	66.6	70.2	75.7	78.3	79.1	80.6	81.7	82.2	82.9	83.1	83.2	83.3	83.5	83.6	83.9	
GE 1500	68.6	72.3	78.2	81.1	81.9	83.6	84.8	85.3	86.0	86.2	86.3	86.4	86.6	86.7	87.0	
GE 1200	69.9	73.8	80.0	83.1	84.0	85.8	87.1	87.7	88.5	88.6	88.8	88.9	89.0	89.1	89.5	
GE 1000	70.7	74.8	81.3	84.5	85.5	87.4	88.8	89.4	90.3	90.5	90.6	90.8	90.9	91.0	91.4	
GE 900	71.0	75.2	81.8	85.0	86.0	88.0	89.4	90.1	90.9	91.2	91.3	91.5	91.6	91.7	92.1	
GE 800	71.3	75.6	82.3	85.7	86.7	88.7	90.2	90.9	91.8	92.1	92.2	92.4	92.5	92.6	93.0	
GE 700	71.7	76.0	82.9	86.4	87.5	89.7	91.3	92.1	93.0	93.3	93.5	93.6	93.8	93.9	94.3	
GE 600	71.8	76.2	83.2	86.9	88.0	90.2	92.0	92.8	93.8	94.1	94.3	94.5	94.7	94.8	95.1	
GE 500	71.9	76.3	83.5	87.2	88.4	90.8	92.7	93.6	94.7	95.0	95.2	95.4	95.6	95.8	96.1	
GE 400	71.9	76.4	83.6	87.4	88.7	91.1	93.1	94.1	95.4	95.7	96.0	96.2	96.5	96.6	97.0	
GE 300	71.9	76.4	83.7	87.5	88.8	91.2	93.3	94.4	95.8	96.2	96.6	96.9	97.3	97.5	98.1	
GE 200	71.9	76.4	83.7	87.5	88.8	91.3	93.4	94.5	96.0	96.5	96.9	97.3	97.9	98.2	99.1	
GE 100	71.9	76.4	83.7	87.5	88.8	91.3	93.4	94.5	96.0	96.5	97.0	97.4	98.1	98.4	99.9	
GE 01	71.9	76.4	83.7	87.5	88.8	91.3	93.4	94.5	96.0	96.5	97.0	97.4	98.1	98.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 71453

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 035623

STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 90						.3	.6	.2					.1
GE 85						1.1	2.6	1.4					.4
GE 80					.2	4.1	7.4	6.2	.7	.1			1.6
GE 75			.1	.1	1.8	11.6	20.9	17.4	4.8	1.0			4.8
GE 70			.4	.9	8.9	28.0	43.1	43.0	20.3	2.9			12.3
GE 65			1.1	5.5	21.0	52.2	73.8	72.5	48.0	11.7	.1		23.8
GE 60		.5	4.0	17.7	51.0	83.9	96.1	97.6	84.3	37.2	3.2	.2	39.6
GE 55	1.2	2.7	14.5	43.0	79.8	97.9	99.7	99.9	97.6	71.3	18.2	5.5	52.5
GE 50	15.7	19.8	42.8	72.4	96.3	99.9	100.0	100.0	99.9	93.5	46.8	25.3	67.6
GE 45	40.8	43.2	70.3	91.3	100.0	100.0			100.0	99.7	76.6	49.9	80.9
GE 40	61.9	66.2	89.4	98.7						100.0	93.9	74.4	90.3
GE 35	85.5	90.3	99.2	100.0							99.5	93.2	97.3
GE 30	97.2	99.4	100.0								99.9	99.2	99.6
GE 25	99.6	100.0									100.0	100.0	100.0
GE 20	99.9												100.0
GE 15	100.0												100.0
MEAN	42.2	43.1	48.0	53.3	60.0	66.0	69.2	69.0	64.8	57.7	48.8	44.4	55.5
SD	6.768	6.581	6.481	6.570	6.435	6.913	6.574	6.017	5.516	5.841	5.837	6.540	11.688
TOTAL OBS	953	863	946	889	922	898	930	930	918	934	916	954	11053

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 035623

STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 70					.1	.1	.1	.1	.1				.0
GE 65						.4	.6	.9	.4				.2
GE 60				.1	.7	2.8	11.1	10.2	3.4				2.4
GE 55				.4	2.0	16.5	44.2	42.2	20.9	6.3	.9	.2	11.1
GE 50	.2	.5	1.4	4.0	16.2	55.2	84.6	81.9	57.8	27.5	5.7	2.6	28.2
GE 45	5.8	5.1	7.6	20.1	54.6	89.2	99.0	98.1	86.9	56.1	19.9	10.6	46.0
GE 40	19.0	18.1	25.7	52.3	86.0	98.8	99.9	100.0	97.9	82.5	45.1	26.3	62.6
GE 35	49.7	45.3	64.6	83.8	98.4	100.0	100.0		99.9	96.7	77.8	59.9	81.3
GE 30	61.8	59.7	77.3	92.1	99.5				100.0	98.6	86.1	72.1	87.3
GE 25	78.4	78.6	89.3	98.2	100.0					99.8	94.1	85.4	93.6
GE 20	92.2	93.6	97.4	99.8						100.0	98.8	95.4	98.1
GE 15	96.9	98.5	99.7	100.0							100.0	98.6	99.5
GE 10	99.1	99.8	99.9									100.0	99.9
GE 5	99.6	100.0	100.0										100.0
GE 0	99.9												100.0
MEAN	34.1	34.0	36.3	40.0	45.0	50.0	53.8	53.5	50.2	45.5	39.1	36.0	43.1
SD	6.938	6.281	5.713	5.426	4.780	4.671	4.456	4.628	5.069	5.948	6.320	6.783	9.139
TOTAL OBS	953	863	946	889	922	898	930	930	918	934	916	954	11053

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 035623

STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 80						.1							.0
GE 75						.7	1.2	.5	.1				.2
GE 70					.1	2.6	6.6	5.6	.4	.1			1.3
GE 65					1.2	10.4	26.0	24.3	7.2	1.2			5.9
GE 60			.1	.7	8.6	27.3	64.8	62.6	34.3	7.0	.2		18.0
GE 55		.2	1.6	8.7	33.4	77.2	96.1	96.6	77.3	30.3	3.5	1.2	35.5
GE 50	2.9	3.2	9.8	32.3	75.7	97.7	99.9	100.0	96.3	66.1	18.3	7.8	50.8
GE 45	18.8	18.6	35.8	65.2	95.7	99.9	100.0		99.9	91.4	47.1	27.5	66.6
GE 40	46.8	46.7	70.7	91.2	99.9	100.0			100.0	99.3	80.5	56.8	82.6
GE 35	71.9	74.5	92.5	99.8	100.0					100.0	96.1	82.8	93.1
GE 30	91.1	94.2	99.4	100.0							99.5	95.3	98.3
GE 25	97.9	99.2	99.9								100.0	99.5	99.7
GE 20	99.6	100.0	100.0									100.0	100.0
GE 15	99.8												100.0
GE 10	100.0												100.0
MEAN	38.4	38.8	42.4	46.9	52.7	58.3	61.8	61.5	57.8	51.8	44.2	40.5	49.6
SD	6.573	6.073	5.486	5.371	4.845	5.026	4.811	4.526	4.613	5.346	5.731	6.386	10.063
TOTAL OBS	953	863	946	889	922	898	930	930	918	934	916	954	11053

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
						JUN	JUL						
55									*71	67	62	58	
56	*52												
57		*56	*66	*65	72	90	85	77	69	66	54	56	
58	55	58	56	70	75	74	79	78	78	63	55	54	79
59	54	63	62	66	79	83	91	84	82	78	58	55	91
60	54	60	59	64	75	83	71	73	73	65	60	55	83
61	52	59	69	65	73	84	85	86	81	70	58	57	86
62	54	56	56	67	67	77	79	72	75	67	56	56	79
63	40	42	57	65	80	78	80	73	75	69	61	50	80
64	52	55	53	68	78	73	77	89	76	66	57	56	89
65	52	48	71	62	80	74	72	76	70	70	59	56	80
66	54	57	55	69	77	80	74	78	72	68	54	54	80
67	54	55	65	67	75	72	83	77	73	69	62	54	83
68	54	45	77	75	72	81	88	81	77	68	57	52	88
69	56	49	57	72	74	77	90	83	73	77	65	52	90
70	49	54	61	61	72	81	88	81	79	70	63	53	88
71	51	53	55	71	71	73	82	75	77	73	62	59	82
72	51	51	66	60	66	69	*66			*62	59	57	
73	51	53	64	62	73	80	78	86	82	69	59	53	86
74	55	53	62	66	68	73	73	77	69	55	57	62	77
75	59	55	55	66	69	82	84	91	73	62	55	53	91
76	53	59	59	66	75	93	93	84	73	68	55	46	93
77	53	51	62	64	73	73	80	77	73	68	62	57	80
78	51	53	60	55	78	78	73	75	77	75	62	57	78
79	46	46	55	69	*78	*75	80	77	75	66	57	*57	80
80	*48	54	55	70	72	81	*79	77	73	66	*61	*55	81
81	*52	55	63	*66	*70	73	*81	79	75	*64	*61	*50	*81
82	*52	55	61	64	77	82	82	82	*75	*63	*63	57	82
83	57	*50	57	64	70	75	91	86	75	73	59	52	91
84	54	54	52			*63	86	86	77	66	63	*54	

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: D35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

YEAR	WHOLE DEGREES FAHRENHEIT -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
85	52	55	57	*64	72	72	81	75	79	82	61	61	82
86	54	39	*55	57	70	81	81	73	68	66	55	57	81
87	50	54	54	70	70	81	84	84	73				
MEAN	52.5	53.1	59.9	65.7	73.3	78.4	81.8	79.7	74.9	68.6	59.0	55.1	84.2
S.D.	3.577	5.269	5.740	4.494	3.811	5.532	6.027	5.159	3.678	5.251	2.975	3.213	5.050
TOTAL OBS	953	863	946	889	922	898	930	930	918	934	916	954	11053

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 55-87

YEAR	WHOLE DEGREES FAHRENHEIT -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
55									*42	30	28	25	
56	*26												
57		*27	*34	*38	32	42	50	46	37	35	29	25	
58	18	25	23	26	37	44	45	47	39	37	31	30	18
59	19	29	35	36	35	44	48	45	43	35	23	30	19
60	23	26	29	32	39	45	45	46	41	35	32	29	23
61	26	34	30	35	35	43	45	46	44	31	24	18	18
62	20	25	21	32	34	35	45	44	40	30	24	17	17
63	5	14	24	32	35	45	42	43	40	39	32	16	5
64	18	20	24	33	39	40	46	43	39	32	21	18	18
65	26	25	11	27	33	42	38	46	43	34	23	21	11
66	15	28	24	31	35	36	45	43	41	35	30	27	15
67	23	29	31	26	31	41	46	44	39	37	28	24	23
68	17	21	26	24	36	45	46	44	42	42	30	24	17
69	30	15	27	30	39	37	48	44	36	42	26	28	15
70	21	24	15	26	42	42	46	44	44	37	28	26	15
71	24	28	24	33	35	42	44	46	44	35	28	33	24
72	17	30	30	33	39	42	*50			*35	30	28	
73	28	21	28	28	37	41	42	46	42	28	21	19	19
74	21	28	26	35	35	41	44	44	33	33	30	35	21
75	33	24	30	28	37	39	48	44	39	33	26	26	24
76	26	28	26	30	37	42	48	46	44	37	32	21	21
77	26	28	30	28	33	41	46	46	44	41	28	28	26
78	24	17	30	28	39	42	44	46	44	37	21	21	17
79	17	24	30	32	*32	*44	48	44	37	36	27	*30	17
80	*27	28	27	32	32	45	*45	46	48	34	*32	*28	*23
81	*28	25	34	*30	*34	43	*46	45	45	*34	*34	*19	*19
82	*1	19	28	23	32	48	46	48	*43	*39	*25	25	*1
83	28	*21	30	32	39	46	46	48	46	28	20	25	*21
84	25	23	30			*46	46	48	43	34	36	*28	

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM PERIOD OF RECORD: 55-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
85	14	19	28	*30	37	39	46	45	43	36	27	25	14
86	25	12	*23	30	39	41	46	41	37	37	36	32	12
87	14	25	25	37	36	39	46	45	39				
MEAN	21.6	23.9	26.8	30.3	36.0	41.8	45.5	45.1	41.2	35.0	27.6	25.0	18.3
S.D.	5.989	5.175	5.005	3.627	2.755	2.944	2.301	1.626	3.406	3.651	4.138	4.565	4.879
TOTAL OBS	953	863	946	889	922	890	930	930	918	934	916	954	11053

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	35.5	34.2	37.8	42.6	46.3	52.1	57.4	56.9	53.4	49.7	43.4	41.7	46.8
	SD	7.013	7.044	5.044	5.227	4.472	4.927	5.216	5.016	5.575	6.515	6.758	7.131	9.718
	TOT OBS	418	399	448	390	405	482	575	597	549	554	478	472	5767
03-05	MEAN	35.7	34.4	37.8	41.2	45.2	51.1	55.2	55.1	52.3	48.4	43.2	40.4	45.2
	SD	7.207	6.841	5.233	5.100	4.638	4.808	4.707	4.878	5.430	6.437	7.224	7.399	9.258
	TOT OBS	792	682	783	656	661	704	797	810	780	796	726	726	8863
06-08	MEAN	35.7	34.2	38.5	42.6	48.2	54.5	58.3	57.3	53.4	48.2	42.9	40.1	46.3
	SD	7.335	7.071	5.377	5.082	4.894	4.692	4.677	4.759	5.394	6.561	7.460	7.350	10.089
	TOT OBS	820	760	849	728	727	747	852	867	818	810	770	818	9566
09-11	MEAN	37.1	36.6	42.7	47.7	53.7	59.5	64.0	63.5	59.6	52.9	45.2	41.3	50.5
	SD	7.158	6.581	5.280	5.816	5.903	5.554	5.778	5.270	5.117	5.925	7.000	7.083	11.364
	TOT OBS	859	793	889	779	778	786	893	910	857	834	790	851	10019
12-14	MEAN	39.5	39.7	45.7	50.8	56.7	62.3	67.5	67.0	63.3	56.5	48.1	43.6	53.4
	SD	6.810	6.566	5.498	6.808	6.625	6.483	6.946	6.175	5.525	5.743	6.501	6.692	11.792
	TOT OBS	912	838	930	797	806	804	917	930	874	857	829	902	10396
15-17	MEAN	39.0	39.6	45.7	50.8	57.0	62.5	68.3	67.4	63.2	55.8	47.2	42.8	53.2
	SD	6.722	6.588	5.360	7.166	6.949	6.703	7.112	6.537	5.751	5.915	6.579	6.666	12.171
	TOT OBS	915	837	922	763	767	781	892	905	853	839	825	903	10202
18-20	MEAN	37.2	36.9	42.3	47.3	53.4	59.6	65.4	63.7	58.8	52.2	44.9	41.4	50.3
	SD	6.855	6.628	5.218	6.555	6.316	6.384	6.609	6.160	5.602	5.800	6.628	6.925	11.650
	TOT OBS	769	705	791	640	639	690	776	793	734	733	712	757	8739
21-23	MEAN	36.4	35.7	40.0	44.4	48.9	55.1	60.4	59.2	55.3	50.3	43.7	40.9	47.2
	SD	7.031	6.663	5.152	5.663	5.214	5.281	5.387	5.264	5.522	6.070	6.743	7.367	10.379
	TOT OBS	747	684	734	516	521	586	675	689	637	655	685	735	7864
ALL HOURS	MEAN	37.2	36.7	41.7	46.4	51.8	57.5	62.4	61.6	57.8	51.9	45.0	41.6	49.4
	SD	7.156	7.061	6.134	7.044	7.250	7.079	7.529	7.175	6.920	6.823	7.111	7.152	11.359
	TOT OBS	6182	5698	6346	5269	5304	5580	6377	6501	6102	6078	5815	6164	71416

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	33.3	32.1	35.5	39.9	43.8	49.4	54.3	54.0	50.8	47.0	40.7	38.7	44.2
	SD	6.607	7.048	4.998	5.501	4.543	4.854	5.000	4.741	5.629	6.427	6.628	6.743	9.470
	TOT OBS	418	399	448	390	405	482	575	597	549	554	478	472	5767
03-05	MEAN	33.6	32.6	35.9	38.9	43.0	48.7	52.8	52.6	50.0	46.0	40.5	37.8	42.9
	SD	7.050	6.821	5.294	5.195	4.645	4.859	4.664	4.759	5.407	6.410	7.076	6.969	9.110
	TOT OBS	742	682	783	656	659	704	797	810	780	796	726	725	8860
06-08	MEAN	33.6	32.5	36.5	40.1	45.4	51.0	55.0	54.2	50.8	45.8	40.3	37.4	43.7
	SD	7.145	6.961	5.434	5.080	4.611	4.558	4.368	4.492	5.258	6.575	7.255	6.953	9.626
	TOT OBS	820	760	849	728	724	747	852	867	818	810	770	818	9563
09-11	MEAN	34.8	34.5	39.7	43.5	48.6	53.8	57.8	57.2	54.3	49.1	42.0	38.6	46.3
	SD	6.882	6.493	5.231	5.305	4.923	4.904	4.747	4.420	4.522	5.561	6.752	6.673	9.905
	TOT OBS	859	793	889	779	777	786	893	910	857	834	790	850	10017
12-14	MEAN	36.7	36.8	41.5	45.0	49.9	55.0	59.1	58.5	55.7	50.9	44.0	40.4	47.8
	SD	6.504	6.313	5.266	5.610	5.109	5.198	5.091	4.669	4.714	5.224	6.260	6.274	9.665
	TOT OBS	912	838	930	797	806	804	917	930	874	857	829	901	10395
15-17	MEAN	36.3	36.7	41.4	44.9	50.1	55.1	59.5	58.6	55.6	50.4	43.5	39.7	47.6
	SD	6.489	6.416	5.100	5.846	5.167	5.166	5.011	4.618	4.801	5.375	6.421	6.294	9.854
	TOT OBS	915	837	922	763	767	781	892	905	853	839	825	903	10202
18-20	MEAN	34.8	34.7	39.1	43.0	48.2	53.9	58.4	57.1	53.5	48.3	41.7	38.6	46.0
	SD	6.604	6.591	5.231	5.812	5.138	5.066	4.941	4.647	5.021	5.614	6.450	6.507	9.993
	TOT OBS	769	705	791	640	639	690	776	793	734	733	712	757	8739
21-23	MEAN	34.1	33.7	37.6	41.2	45.6	51.4	56.0	55.0	51.6	47.1	40.8	38.2	44.1
	SD	6.763	6.637	5.282	5.601	4.910	4.874	4.927	4.677	5.459	6.016	6.524	6.934	9.663
	TOT OBS	747	684	734	516	521	586	675	689	637	655	685	735	7864
ALL HOURS	MEAN	34.8	34.4	38.7	42.3	47.2	52.5	56.8	56.1	53.0	48.2	41.8	38.7	45.5
	SD	6.859	6.841	5.686	5.929	5.532	5.465	5.361	5.081	5.515	6.172	6.810	6.717	9.839
	TOT OBS	6182	5698	6346	5269	5298	5580	6377	6501	6102	6078	5815	6161	71407

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
00-02	MEAN	29.5	28.1	31.8	36.4	40.8	46.8	51.8	51.6	48.3	44.1	37.2	34.5	41.0
	SD	7.444	8.729	5.997	6.940	5.599	5.546	5.634	5.178	6.369	7.248	7.670	7.734	10.512
	TOT OBS	418	399	448	390	405	482	575	597	549	554	478	472	5767
03-05	MEAN	29.9	29.1	32.8	35.8	40.5	46.3	50.8	50.6	47.8	43.5	37.1	33.9	40.1
	SD	8.263	8.281	6.325	6.356	5.468	5.545	5.180	5.211	6.002	7.235	8.047	7.911	10.144
	TOT OBS	742	682	783	656	659	704	797	810	780	796	726	725	8860
06-08	MEAN	30.0	29.3	33.6	36.9	42.3	47.9	52.3	51.7	48.4	43.1	36.9	33.6	40.6
	SD	8.279	8.237	6.476	6.147	5.415	5.389	4.967	4.983	5.825	7.483	8.188	7.942	10.458
	TOT OBS	820	760	849	728	724	747	852	867	818	810	770	818	9563
09-11	MEAN	30.9	31.0	35.8	38.3	43.4	48.8	53.0	52.3	49.9	45.4	38.1	34.6	41.9
	SD	7.864	7.758	6.476	6.589	6.187	6.101	5.734	5.568	5.647	6.462	7.688	7.646	10.253
	TOT OBS	859	793	889	779	777	786	893	910	857	834	790	850	10017
12-14	MEAN	32.4	32.3	36.1	38.2	43.1	48.8	52.8	51.8	49.4	45.5	39.3	36.1	42.2
	SD	7.591	7.715	6.994	6.984	6.718	6.290	6.170	6.068	6.269	6.615	7.543	7.276	9.943
	TOT OBS	912	838	930	797	806	804	917	930	874	857	829	901	10395
15-17	MEAN	32.1	32.1	35.6	38.0	43.2	48.9	52.8	51.7	49.1	45.1	39.1	35.7	41.9
	SD	7.654	7.949	7.039	7.114	6.534	6.171	6.080	5.976	6.340	6.757	7.692	7.243	10.039
	TOT OBS	915	837	922	763	767	781	892	905	853	839	825	903	10202
18-20	MEAN	30.9	30.9	34.8	37.8	42.8	49.0	53.2	51.8	48.7	44.3	37.6	34.6	41.4
	SD	7.702	8.006	6.695	6.969	6.328	5.839	5.788	5.702	6.105	6.683	7.567	7.470	10.321
	TOT OBS	769	705	791	640	639	690	776	793	734	733	712	757	8739
21-23	MEAN	30.2	30.3	33.9	37.1	41.8	48.1	52.5	51.6	48.2	43.8	37.0	34.2	40.5
	SD	7.831	8.054	6.536	6.823	5.956	5.684	5.704	5.367	6.351	6.923	7.461	7.819	10.400
	TOT OBS	747	684	734	516	521	586	675	689	637	655	685	735	7864
ALL	MEAN	30.9	30.6	34.5	37.4	42.4	48.1	52.4	51.7	48.8	44.4	37.9	34.7	41.3
	SD	7.904	8.145	6.752	6.787	6.170	5.927	5.725	5.560	6.131	6.968	7.789	7.655	10.264
HOURS	TOT OBS	6182	5698	6346	5269	5298	5580	6377	6501	6102	6078	5815	6161	71407

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
JAN	00-02	100.0	100.0	100.0	100.0	100.0	95.9	78.2	47.6	10.3	78.9	418
	03-05	100.0	100.0	100.0	100.0	100.0	96.5	79.0	46.5	15.0	79.9	742
	06-08	100.0	100.0	100.0	100.0	100.0	98.0	80.1	47.3	14.3	80.0	826
	09-11	100.0	100.0	100.0	100.0	100.0	97.3	75.7	41.4	13.3	78.7	855
	12-14	100.0	100.0	100.0	100.0	99.5	90.6	66.0	37.1	10.5	76.2	912
	15-17	100.0	100.0	100.0	100.0	99.5	91.5	67.0	36.4	10.8	76.7	915
	18-20	100.0	100.0	100.0	100.0	100.0	94.9	71.8	43.3	13.4	78.4	765
	21-23	100.0	100.0	100.0	100.0	100.0	95.0	74.6	43.0	13.4	78.8	747
TOTALS		100.0	100.0	100.0	100.0	99.9	95.0	74.1	42.8	12.6	78.5	6182

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	(RELATIVE HUMIDITY)	(NUM OBS)
FEB	00-02	100.0	100.0	100.0	100.0	99.7	95.5	77.7	43.9	12.0	78.8	399
	03-05	100.0	100.0	100.0	100.0	99.6	97.5	85.5	53.4	19.9	81.4	682
	06-08	100.0	100.0	100.0	100.0	100.0	98.2	87.0	55.9	22.0	82.2	760
	09-11	100.0	100.0	100.0	99.9	99.6	96.1	83.4	51.6	16.5	80.5	793
	12-14	100.0	100.0	100.0	99.3	97.7	89.6	65.9	32.0	8.0	75.3	836
	15-17	100.0	100.0	100.0	99.6	97.4	88.2	62.8	32.6	8.5	74.9	837
	18-20	100.0	100.0	100.0	100.0	99.9	96.0	77.6	44.7	15.5	79.1	705
	21-23	100.0	100.0	100.0	100.0	100.0	98.0	81.7	53.4	17.4	80.8	684
TOTALS		100.0	100.0	100.0	99.9	99.2	94.9	77.7	45.9	15.0	79.1	5696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 79-87
MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUP	OBS
MAR	00-02	100.0	100.0	100.0	100.0	100.0	98.2	81.7	45.5	10.0	79.4	448	
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	89.0	58.9	18.9	82.4	783	
	06-08	100.0	100.0	100.0	100.0	100.0	99.3	88.5	62.2	20.4	82.8	845	
	09-11	100.0	100.0	100.0	100.0	99.2	91.7	69.0	38.5	14.2	77.2	889	
	12-14	100.0	100.0	100.0	99.5	90.8	73.5	49.7	23.0	7.2	70.1	930	
	15-17	100.0	100.0	100.0	98.5	88.4	70.9	45.4	21.6	6.8	68.9	922	
	18-20	100.0	100.0	100.0	100.0	97.5	88.2	60.7	36.4	10.5	75.4	791	
	21-23	100.0	100.0	100.0	100.0	99.6	96.9	76.3	45.0	13.9	79.2	734	
TOTALS		100.0	100.0	100.0	99.8	96.9	89.8	70.0	41.4	12.7	76.9	6346	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM	OBS
APR	00-02	100.0	100.0	100.0	100.0	99.2	95.6	76.7	44.1	15.4	78.9	396	
	03-05	100.0	100.0	100.0	100.0	100.0	98.5	85.1	54.6	20.0	81.5	656	
	06-08	100.0	100.0	100.0	100.0	100.0	98.1	82.6	49.3	18.1	80.5	726	
	09-11	100.0	100.0	100.0	99.6	94.2	79.5	50.4	21.7	6.7	70.9	779	
	12-14	100.0	100.0	99.7	96.5	80.8	56.2	32.0	12.3	3.8	63.4	797	
	15-17	100.0	100.0	99.5	95.3	80.5	54.3	31.2	11.1	3.4	63.0	763	
	18-20	100.0	100.0	100.0	98.8	94.5	78.9	50.8	20.9	5.8	70.6	646	
	21-23	100.0	100.0	100.0	100.0	99.4	92.4	67.4	32.2	11.0	76.1	516	
TOTALS		100.0	100.0	99.9	98.8	93.6	81.7	59.5	30.8	10.5	73.1	5265	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-83,85-87
MONTH: MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS	
MAY	00-02	100.0	100.0	100.0	100.0	100.0	99.7	83.0	52.1	26.7	81.5	405	
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	90.3	61.2	28.5	83.8	655	
	06-08	100.0	100.0	100.0	100.0	100.0	97.2	82.5	49.4	27.4	80.5	724	
	09-11	100.0	100.0	100.0	98.5	90.9	73.1	48.0	22.9	6.3	69.3	777	
	12-14	100.0	100.0	98.6	93.1	75.7	50.5	32.5	13.6	3.5	62.2	806	
	15-17	100.0	100.0	98.3	92.0	76.0	53.1	30.4	11.9	3.1	61.8	767	
	18-20	100.0	100.0	100.0	97.7	88.1	70.7	49.0	21.3	6.3	68.7	639	
	21-23	100.0	100.0	100.0	99.8	99.6	92.5	74.1	38.2	14.4	77.0	521	
TOTALS		100.0	100.0	99.6	97.6	91.3	79.5	61.2	33.8	13.7	73.1	5296	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	99.8	95.2	54.6	18.5	82.3	482
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	96.9	60.8	22.2	83.8	704
	06-08	100.0	100.0	100.0	100.0	100.0	97.3	85.1	37.5	12.2	78.7	747
	09-11	100.0	100.0	100.0	100.0	95.0	70.6	42.7	15.0	3.8	68.5	781
	12-14	100.0	100.0	100.0	98.0	83.3	50.9	26.4	9.2	1.7	62.4	804
	15-17	100.0	100.0	100.0	97.6	81.9	48.7	26.4	10.1	2.4	62.3	781
	18-20	100.0	100.0	100.0	99.4	93.3	71.4	47.4	18.8	4.2	68.9	691
	21-23	100.0	100.0	100.0	100.0	99.8	95.7	79.9	37.2	10.6	77.6	586
	TOTALS	100.0	100.0	100.0	99.4	94.2	79.3	62.5	30.4	9.5	73.1	5581

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	97.7	90.4	53.6	18.3	81.8	575
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	96.1	68.9	26.5	85.0	797
	06-08	100.0	100.0	100.0	100.0	99.9	96.8	86.4	48.4	16.5	80.8	852
	09-11	100.0	100.0	100.0	99.4	95.1	67.5	45.4	15.9	4.7	68.3	893
	12-14	100.0	100.0	99.8	95.0	73.9	44.3	26.3	8.8	2.4	60.6	917
	15-17	100.0	100.0	99.3	92.8	69.4	39.8	23.0	7.4	2.2	59.1	892
	18-20	100.0	100.0	99.7	97.9	86.0	61.7	40.2	14.2	4.0	66.0	776
	21-23	100.0	100.0	100.0	99.9	98.8	90.5	71.0	31.7	9.8	75.8	675
	TOTALS	100.0	100.0	99.9	98.1	90.4	74.8	59.9	31.1	10.6	72.2	6377

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.8	99.3	92.3	56.4	19.1	82.8	597
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.5	67.4	22.6	85.1	811
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	91.3	51.1	16.7	81.8	867
	09-11	100.0	100.0	100.0	99.9	94.5	68.1	42.1	14.9	4.4	67.0	911
	12-14	100.0	100.0	99.9	94.7	70.9	39.5	24.3	9.0	1.6	59.6	931
	15-17	100.0	100.0	99.8	92.0	66.2	38.5	22.0	9.3	2.2	58.7	905
	18-20	100.0	100.0	99.9	98.0	87.9	62.2	39.8	15.5	5.7	66.6	793
	21-23	100.0	100.0	100.0	100.0	98.8	91.3	74.3	32.7	11.2	76.6	685
TOTALS		100.0	100.0	100.0	98.0	89.8	74.8	60.6	32.0	10.4	72.4	6501

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 78-87
MONTH: SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM	OBS
SEP	00-02	100.0	100.0	100.0	100.0	100.0	99.8	94.7	56.3	17.5	82.8	549	
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	98.1	65.8	24.4	84.8	786	
	06-08	100.0	100.0	100.0	100.0	100.0	99.3	95.5	58.1	20.7	83.3	816	
	09-11	100.0	100.0	100.0	100.0	97.0	78.8	53.4	20.1	5.4	71.0	857	
	12-14	100.0	100.0	99.8	97.9	82.7	45.2	26.2	7.7	1.9	61.6	874	
	15-17	100.0	100.0	99.4	96.7	80.7	46.0	25.1	7.4	1.3	61.1	853	
	18-20	100.0	100.0	100.0	99.7	96.3	77.4	51.5	16.2	3.1	69.9	734	
	21-23	100.0	100.0	100.0	100.0	100.0	97.5	78.8	33.3	7.1	77.2	637	
	TOTALS	100.0	100.0	99.9	99.3	94.6	80.5	65.4	33.1	10.2	74.0	6102	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: OCT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
OCT	00-02	100.0	100.0	100.0	100.0	100.0	98.9	89.2	54.2	11.6	81.2	554
	03-05	100.0	100.0	100.0	100.0	100.0	99.6	92.6	58.8	20.9	83.1	796
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	91.0	56.9	18.3	82.5	810
	09-11	100.0	100.0	100.0	100.0	99.8	92.7	73.5	29.4	7.3	75.9	834
	12-14	100.0	100.0	100.0	99.4	94.7	70.9	40.6	13.3	2.8	67.5	857
	15-17	100.0	100.0	99.9	99.6	94.9	73.3	45.8	15.0	2.7	68.2	839
	18-20	100.0	100.0	100.0	100.0	99.6	93.5	71.4	25.9	3.8	74.8	733
	21-23	100.0	100.0	100.0	100.0	100.0	98.2	84.3	38.0	5.5	78.3	655
	TOTALS	100.0	100.0	100.0	99.9	98.6	90.8	73.6	36.4	9.1	76.4	6078

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: NOV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUP	OBS
NOV	00-02	100.0	100.0	100.0	100.0	100.0	98.5	78.5	42.1	11.2	79.0	476	
	03-05	100.0	100.0	100.0	100.0	100.0	98.5	81.3	40.8	8.7	79.2	726	
	06-08	100.0	100.0	100.0	100.0	100.0	99.0	82.2	44.0	7.0	79.3	771	
	09-11	100.0	100.0	100.0	100.0	99.7	96.7	71.4	33.7	5.3	76.6	796	
	12-14	100.0	100.0	100.0	99.8	97.2	86.9	56.7	22.2	3.6	72.3	829	
	15-17	100.0	100.0	100.0	100.0	98.5	89.0	63.3	24.4	5.1	73.7	825	
	18-20	100.0	100.0	100.0	100.0	99.9	95.4	69.7	30.1	4.5	75.9	712	
	21-23	100.0	100.0	100.0	100.0	100.0	98.2	74.9	34.9	5.5	77.7	685	
TOTALS		100.0	100.0	100.0	100.0	99.4	95.3	72.3	34.0	6.4	76.7	5815	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-86
MONTH: DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS	
DEC	00-02	100.0	100.0	100.0	100.0	100.0	93.4	61.4	34.1	11.0	76.0	472	
	03-05	100.0	100.0	100.0	100.0	100.0	95.0	71.9	40.3	14.2	77.9	725	
	06-08	100.0	100.0	100.0	100.0	100.0	96.1	72.1	38.6	14.9	78.0	818	
	09-11	100.0	100.0	100.0	100.0	99.8	95.8	68.8	38.0	12.4	77.4	850	
	12-14	100.0	100.0	100.0	100.0	99.4	90.2	64.5	32.4	8.2	75.2	901	
	15-17	100.0	100.0	100.0	100.0	99.7	93.2	67.0	36.2	9.0	76.4	903	
	18-20	100.0	100.0	100.0	100.0	100.0	96.2	66.7	38.6	10.8	77.2	757	
	21-23	100.0	100.0	100.0	100.0	100.0	96.9	68.0	37.7	13.2	77.5	735	
TOTALS		100.0	100.0	100.0	100.0	99.9	94.6	67.6	37.0	11.7	77.0	6161	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 035623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-87
MONTH: ALL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUP	OBS
JAN	ALL	100.0	100.0	100.0	100.0	99.9	95.0	74.1	42.8	12.6	78.5	6182	
FEB		100.0	100.0	100.0	99.9	99.2	94.9	77.7	45.9	15.0	79.1	5696	
MAR		100.0	100.0	100.0	99.8	96.9	89.8	70.0	41.4	12.7	76.9	6346	
APR		100.0	100.0	99.9	98.8	93.6	81.7	59.5	30.8	10.5	73.1	5269	
MAY		100.0	100.0	99.6	97.6	91.3	79.5	61.2	33.8	13.7	73.1	5296	
JUN		100.0	100.0	100.0	99.4	94.2	79.3	62.5	30.4	9.5	73.1	5580	
JUL		100.0	100.0	99.9	98.1	90.4	74.8	59.9	31.1	10.6	72.2	6377	
AUG		100.0	100.0	100.0	98.0	89.8	74.8	60.6	32.0	10.4	72.4	6501	
SEP		100.0	100.0	99.9	99.3	94.6	80.5	65.4	33.1	10.2	74.0	6102	
OCT		100.0	100.0	100.0	99.9	98.6	90.8	73.6	36.4	9.1	76.4	6076	
NOV		100.0	100.0	100.0	100.0	99.4	95.3	72.3	34.0	6.4	76.7	5815	
DEC		100.0	100.0	100.0	100.0	99.9	94.6	67.6	37.0	11.7	77.0	6161	
TOTALS		100.0	100.0	99.9	99.2	95.7	85.9	67.0	35.7	11.0	75.2	71407	

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PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: Q35623 STATION NAME: RAF ALCONBURY UNITED KINGDOM

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00	MEAN	29.699	29.898	29.748	29.700	29.790	29.827	29.860	29.819	29.814	29.831	29.679	29.760	29.789
	SD	.394	.342	.400	.345	.233	.217	.195	.195	.278	.340	.372	.385	.321
	TOT OBS	128	122	124	90	95	126	159	164	153	162	152	148	1623
03	MEAN	29.740	29.838	29.653	29.752	29.738	29.792	29.839	29.798	29.807	29.765	29.725	29.663	29.759
	SD	.397	.360	.388	.329	.252	.213	.199	.209	.263	.341	.362	.438	.327
	TOT OBS	247	227	259	213	215	230	259	263	253	261	242	246	2915
06	MEAN	29.725	29.832	29.642	29.762	29.750	29.791	29.839	29.804	29.811	29.759	29.735	29.642	29.757
	SD	.410	.356	.389	.324	.257	.217	.205	.209	.264	.342	.351	.437	.328
	TOT OBS	266	248	279	242	243	249	284	288	277	280	259	267	3182
09	MEAN	29.745	29.849	29.660	29.776	29.761	29.801	29.848	29.815	29.825	29.775	29.762	29.662	29.773
	SD	.412	.355	.396	.325	.261	.217	.205	.210	.273	.348	.350	.428	.330
	TOT OBS	279	257	285	243	241	250	283	290	279	279	263	276	3225
12	MEAN	29.753	29.843	29.658	29.769	29.755	29.796	29.844	29.812	29.818	29.767	29.771	29.653	29.769
	SD	.415	.360	.394	.321	.258	.216	.201	.203	.265	.342	.349	.425	.328
	TOT OBS	302	280	310	267	269	268	305	310	296	297	284	300	3488
15	MEAN	29.739	29.819	29.643	29.750	29.745	29.785	29.832	29.799	29.803	29.750	29.750	29.643	29.754
	SD	.413	.358	.384	.317	.255	.211	.195	.196	.255	.336	.346	.422	.323
	TOT OBS	305	279	310	265	267	268	306	310	296	297	281	301	3485
18	MEAN	29.737	29.840	29.645	29.748	29.753	29.783	29.823	29.786	29.807	29.780	29.747	29.654	29.757
	SD	.415	.351	.391	.324	.247	.204	.187	.196	.252	.336	.352	.424	.325
	TOT OBS	270	249	274	215	214	230	259	265	250	250	254	265	2995
21	MEAN	29.744	29.857	29.661	29.774	29.774	29.798	29.846	29.809	29.832	29.792	29.751	29.664	29.775
	SD	.407	.345	.395	.325	.246	.207	.186	.198	.257	.340	.366	.436	.326
	TOT OBS	249	228	258	212	212	230	257	263	242	241	229	245	2866
ALL	MEAN	29.738	29.843	29.657	29.758	29.755	29.795	29.840	29.805	29.814	29.774	29.744	29.662	29.765
	SD	.409	.354	.392	.324	.253	.212	.197	.203	.262	.341	.355	.427	.326
HOURS	TOT OBS	2046	1890	2099	1747	1756	1851	2112	2153	2046	2067	1964	2048	23779

END

DATE

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